

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: P676266

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676266
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-1D-735-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @800mA w/
T2 distribution lens and House Side Shield
Light Source: (16) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

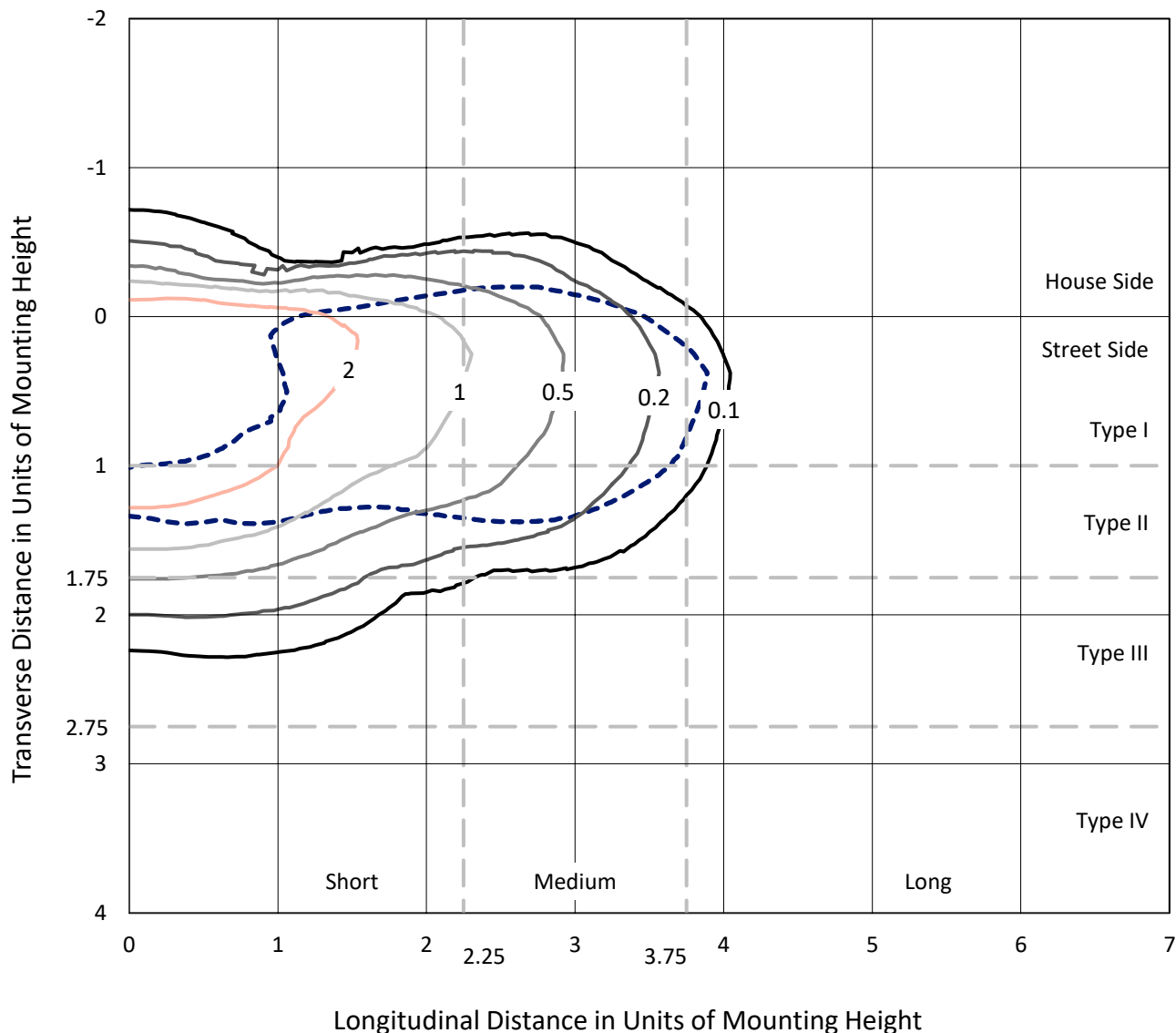
Lumens per Lamp: N/A
Luminaire Lumens: 4246.6 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 44
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

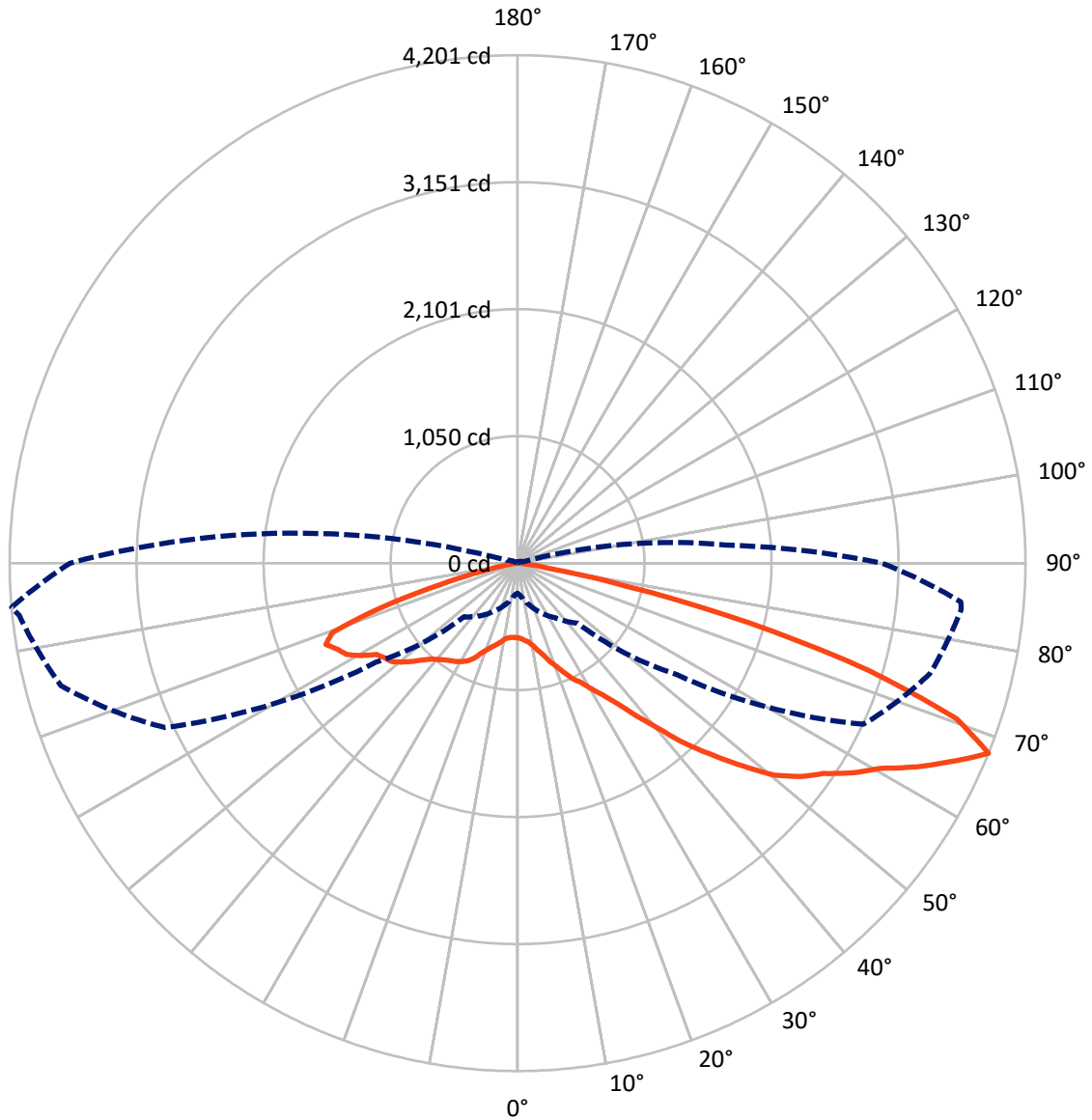
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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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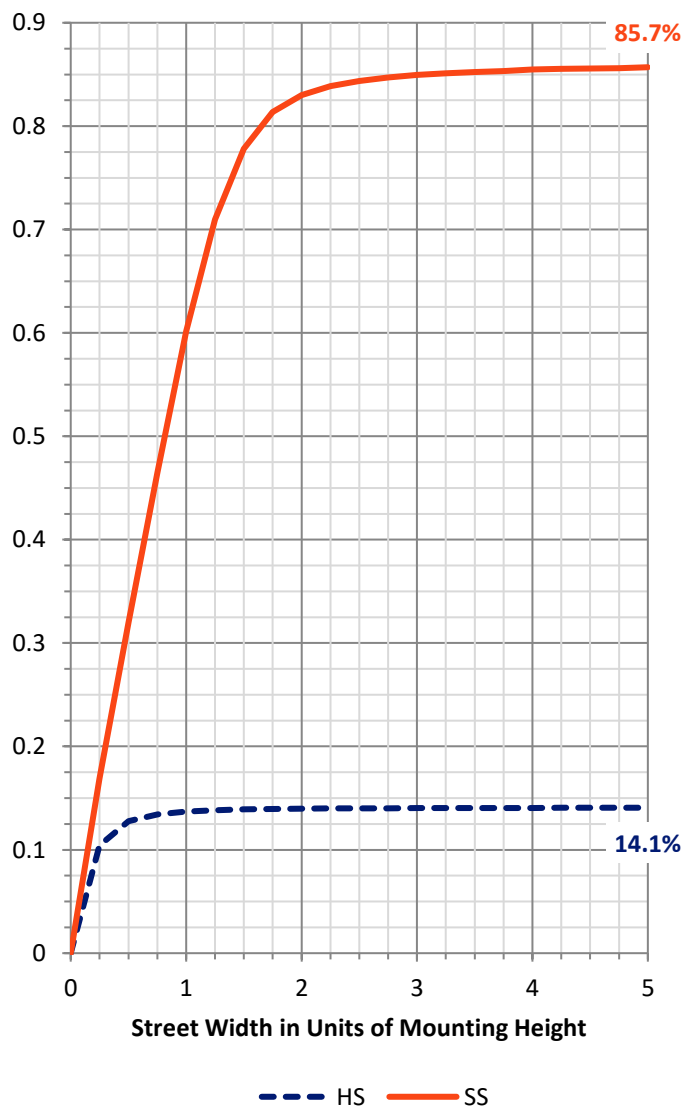
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	603.3	0.0	603.3
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	3643.3	0.0	3643.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	4246.6	0.0	4246.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.3	1.3
10°-20°	151.4	3.6
20°-30°	251.5	5.9
30°-40°	432.6	10.2
40°-50°	777.4	18.3
50°-60°	1106.7	26.1
60°-70°	1009.0	23.8
70°-80°	429.6	10.1
80°-90°	32.0	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°	4246.6	100.0
0°-180°	4246.6	100.0

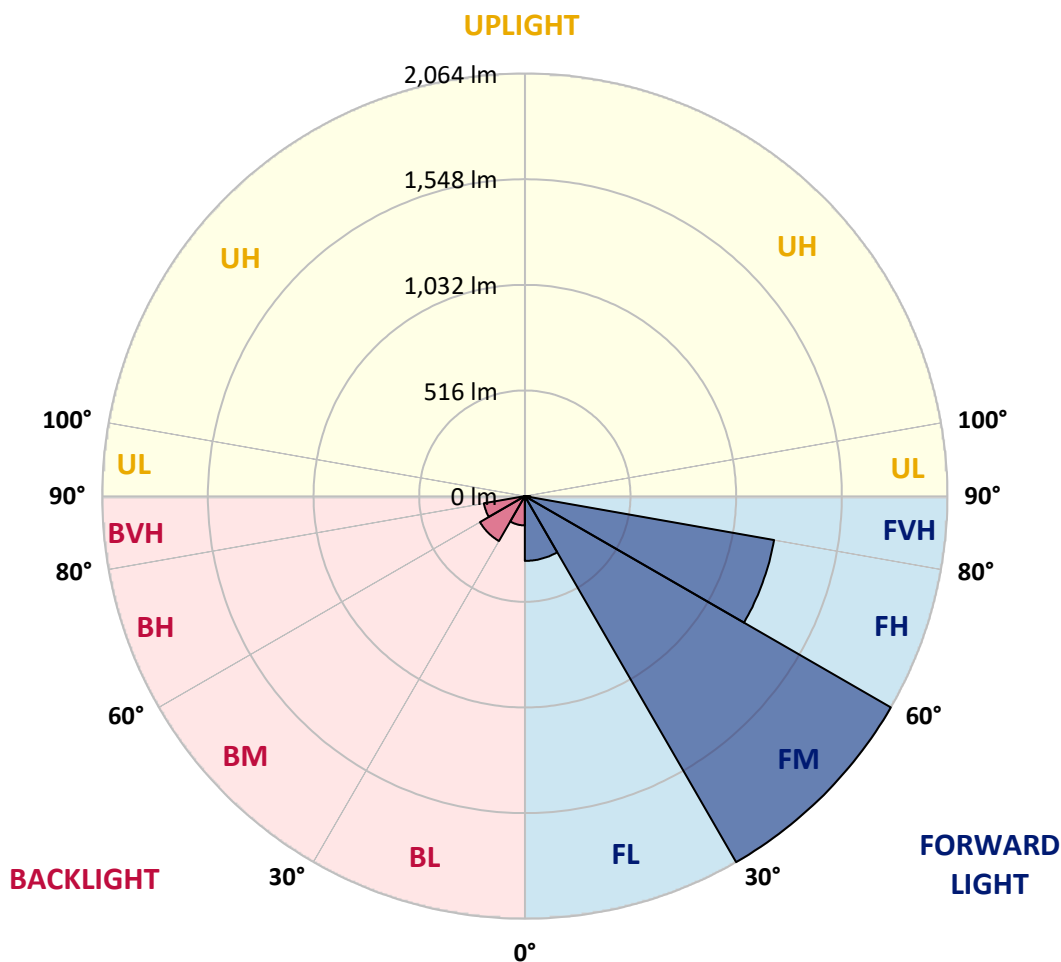


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	316.4	7.4			
FM (30°-60°)	2063.8	48.6			
FH (60°-80°)	1235.9	29.1			G1/1800
FVH (80°-90°)	27.2	0.6			G1/100
BL (0°-30°)	142.8	3.4	B1/500		
BM (30°-60°)	252.9	6.0	B1/1000		
BH (60°-80°)	202.7	4.8	B1/500		G1/500
BVH (80°-90°)	4.8	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°	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5
2.5°	639.8	645.9	645.9	643.8	637.8	633.7	631.7	627.6	623.6	623.6	625.6
5°	645.9	639.8	647.9	637.8	637.8	637.8	645.9	641.8	639.8	629.7	629.7
7.5°	645.9	639.8	639.8	645.9	639.8	643.8	654.0	649.9	658.0	639.8	643.8
10°	627.6	625.6	629.7	637.8	639.8	647.9	658.0	678.3	680.3	668.1	666.1
12.5°	591.2	589.2	603.3	607.4	631.7	651.9	682.3	698.5	716.7	710.6	698.5
15°	564.9	568.9	579.0	595.2	617.5	654.0	688.4	724.8	757.2	749.1	745.1
17.5°	575.0	573.0	575.0	585.1	613.5	649.9	708.6	751.1	797.7	797.7	801.8
20°	605.4	611.4	609.4	603.3	617.5	647.9	708.6	783.5	860.5	854.4	854.4
22.5°	658.0	660.0	647.9	643.8	641.8	660.0	720.8	824.0	913.1	925.3	921.2
25°	712.7	714.7	710.6	698.5	682.3	686.4	743.0	856.4	986.0	1006.2	1002.2
27.5°	803.8	801.8	791.6	777.5	753.2	734.9	777.5	880.7	1042.7	1077.1	1067.0
30°	894.9	888.8	874.6	856.4	834.2	799.7	820.0	927.3	1113.6	1145.9	1123.7
32.5°	1006.2	994.1	998.1	969.8	923.2	868.6	864.5	969.8	1170.2	1216.8	1198.6
35°	1148.0	1133.8	1113.6	1087.2	1042.7	969.8	947.5	1038.6	1265.4	1299.8	1299.8
37.5°	1334.2	1348.4	1324.1	1214.8	1166.2	1097.4	1050.8	1109.5	1348.4	1431.4	1411.2
40°	1524.6	1536.7	1492.2	1411.2	1305.9	1220.9	1192.5	1224.9	1473.9	1573.1	1534.7
42.5°	1678.4	1694.6	1678.4	1573.1	1490.1	1380.8	1330.2	1360.6	1635.9	1755.4	1704.7
45°	1840.4	1856.6	1838.4	1769.5	1688.6	1625.8	1498.2	1536.7	1806.0	1984.1	1927.5
47.5°	1961.9	1982.1	1949.7	1935.6	1870.8	1860.6	1644.0	1686.5	1984.1	2215.0	2144.1
50°	1990.2	2012.5	2040.8	2057.0	2034.8	2059.1	1840.4	1876.8	2170.4	2427.5	2358.7
52.5°	1923.4	1945.7	2008.4	2083.4	2186.6	2259.5	2038.8	2069.2	2364.8	2603.7	2567.2
55°	1727.0	1747.3	1874.8	1976.1	2223.1	2342.5	2229.1	2356.7	2504.5	2787.9	2698.8
57.5°	1397.0	1421.3	1589.3	1745.2	2101.6	2295.9	2342.5	2595.6	2735.3	2923.6	2820.3
60°	992.1	1006.2	1152.0	1427.4	1765.5	2063.1	2320.2	2773.8	2917.5	3105.8	3051.1
62.5°	570.9	583.1	734.9	994.1	1332.2	1723.0	2221.0	2941.8	3113.9	3306.2	3275.9
65°	378.6	382.7	485.9	627.6	866.5	1269.5	1970.0	3091.6	3308.3	3466.2	3431.8
67.5°	249.0	271.3	352.3	449.5	554.8	702.6	1605.5	3154.4	3531.0	3688.9	3680.8
70°	178.2	186.3	253.1	346.2	417.1	394.8	939.4	2711.0	3520.9	3749.6	3682.8
72.5°	105.3	113.4	168.0	259.2	328.0	251.1	439.3	1917.3	2917.5	2992.4	2974.2
75°	76.9	76.9	103.3	186.3	238.9	180.2	206.5	1212.8	1937.6	2103.6	2101.6
77.5°	54.7	56.7	70.9	111.4	184.2	131.6	113.4	674.2	1058.9	1158.1	1103.4
80°	32.4	34.4	48.6	66.8	133.6	95.2	74.9	307.7	407.0	411.0	390.8
82.5°	24.3	24.3	32.4	46.6	93.1	64.8	46.6	117.4	131.6	119.5	101.2
85°	14.2	12.1	24.3	34.4	54.7	36.4	32.4	54.7	60.7	44.5	40.5
87.5°	4.0	4.0	10.1	12.1	24.3	20.2	14.2	20.2	28.3	16.2	12.1
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°	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5
2.5°	621.6	615.5	605.4	601.3	587.1	581.1	577.0	566.9	568.9	562.9	562.9
5°	615.5	615.5	595.2	573.0	550.7	536.5	520.3	500.1	500.1	492.0	494.0
7.5°	637.8	621.6	595.2	554.8	518.3	485.9	471.7	451.5	439.3	433.3	433.3
10°	651.9	635.7	591.2	542.6	496.0	455.5	425.2	396.8	380.6	380.6	378.6
12.5°	690.4	666.1	607.4	540.6	471.7	411.0	364.4	332.0	309.8	293.6	297.6
15°	722.8	696.5	615.5	524.4	429.2	344.2	287.5	226.8	196.4	180.2	174.1
17.5°	773.4	724.8	633.7	496.0	364.4	269.3	186.3	135.7	123.5	121.5	121.5
20°	815.9	759.2	635.7	441.4	299.6	172.1	119.5	111.4	105.3	103.3	101.2
22.5°	874.6	803.8	627.6	378.6	214.6	115.4	101.2	93.1	89.1	83.0	83.0
25°	935.4	862.5	611.4	319.9	131.6	99.2	89.1	81.0	72.9	68.8	70.9
27.5°	1000.2	907.0	564.9	249.0	101.2	87.1	72.9	66.8	62.8	60.7	60.7
30°	1052.8	935.4	496.0	166.0	91.1	76.9	64.8	58.7	54.7	52.6	52.6
32.5°	1091.3	959.7	419.1	111.4	83.0	68.8	58.7	52.6	48.6	46.6	46.6
35°	1156.1	977.9	348.2	95.2	74.9	60.7	50.6	46.6	42.5	42.5	42.5
37.5°	1255.3	1002.2	277.4	87.1	68.8	54.7	48.6	42.5	40.5	38.5	38.5
40°	1342.3	1032.6	198.4	79.0	62.8	50.6	42.5	38.5	36.4	34.4	34.4
42.5°	1467.9	1067.0	129.6	70.9	56.7	46.6	38.5	34.4	32.4	30.4	30.4
45°	1627.8	1123.7	101.2	62.8	50.6	42.5	36.4	32.4	28.3	28.3	26.3
47.5°	1797.9	1192.5	91.1	58.7	46.6	38.5	32.4	28.3	26.3	24.3	24.3
50°	1955.8	1259.3	85.0	54.7	42.5	36.4	30.4	26.3	22.3	20.2	20.2
52.5°	2097.5	1322.1	81.0	50.6	40.5	32.4	26.3	22.3	20.2	18.2	18.2
55°	2172.4	1350.4	79.0	48.6	36.4	30.4	24.3	20.2	18.2	16.2	16.2
57.5°	2289.9	1386.9	76.9	46.6	34.4	26.3	22.3	18.2	16.2	14.2	14.2
60°	2480.2	1506.3	74.9	44.5	32.4	26.3	20.2	16.2	12.1	10.1	10.1
62.5°	2638.1	1605.5	66.8	38.5	28.3	22.3	16.2	12.1	8.1	6.1	6.1
65°	2818.3	1652.1	58.7	34.4	24.3	18.2	12.1	8.1	6.1	2.0	2.0
67.5°	3014.7	1723.0	48.6	30.4	22.3	14.2	10.1	6.1	2.0	0.0	0.0
70°	2911.4	1633.9	40.5	26.3	20.2	12.1	8.1	4.0	0.0	0.0	0.0
72.5°	2281.8	1170.2	32.4	24.3	18.2	12.1	8.1	2.0	0.0	0.0	0.0
75°	1524.6	662.1	28.3	20.2	14.2	10.1	6.1	2.0	0.0	0.0	0.0
77.5°	828.1	297.6	24.3	18.2	12.1	8.1	6.1	2.0	0.0	0.0	0.0
80°	269.3	117.4	20.2	16.2	12.1	8.1	6.1	2.0	0.0	0.0	0.0
82.5°	72.9	36.4	20.2	16.2	12.1	8.1	6.1	2.0	0.0	0.0	0.0
85°	30.4	24.3	20.2	16.2	12.1	8.1	6.1	2.0	0.0	0.0	0.0
87.5°	12.1	8.1	8.1	10.1	8.1	6.1	4.0	2.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5
2.5°	564.9	568.9	570.9	570.9	581.1	591.2	603.3	613.5	613.5	619.5	625.6
5°	496.0	500.1	506.2	524.4	544.6	566.9	589.2	605.4	627.6	637.8	643.8
7.5°	439.3	443.4	459.6	477.8	506.2	544.6	583.1	619.5	641.8	651.9	660.0
10°	380.6	386.7	404.9	437.3	473.8	520.3	564.9	627.6	664.1	684.3	692.4
12.5°	295.6	311.8	336.1	370.5	417.1	487.9	570.9	635.7	698.5	722.8	739.0
15°	186.3	200.4	238.9	293.6	356.3	439.3	554.8	647.9	734.9	759.2	785.6
17.5°	119.5	121.5	133.6	192.3	273.3	378.6	530.5	666.1	775.4	809.9	850.3
20°	101.2	105.3	107.3	115.4	182.2	311.8	479.8	688.4	824.0	870.6	909.1
22.5°	85.0	87.1	91.1	97.2	109.3	226.8	411.0	688.4	866.5	935.4	979.9
25°	68.8	72.9	76.9	83.0	95.2	141.7	340.1	676.2	917.2	1002.2	1058.9
27.5°	60.7	60.7	64.8	70.9	81.0	99.2	269.3	639.8	955.6	1042.7	1117.6
30°	52.6	54.7	56.7	62.8	72.9	87.1	186.3	581.1	996.1	1121.7	1206.7
32.5°	46.6	46.6	50.6	54.7	64.8	79.0	119.5	492.0	1048.8	1182.4	1301.8
35°	42.5	42.5	44.5	48.6	58.7	70.9	93.1	417.1	1111.5	1297.8	1429.4
37.5°	38.5	38.5	40.5	44.5	52.6	62.8	85.0	358.4	1176.3	1413.2	1605.5
40°	34.4	34.4	36.4	40.5	46.6	56.7	76.9	289.5	1257.3	1583.3	1797.9
42.5°	30.4	30.4	32.4	36.4	42.5	50.6	66.8	216.6	1364.6	1767.5	2046.9
45°	26.3	26.3	28.3	32.4	36.4	46.6	60.7	166.0	1482.0	1972.0	2265.6
47.5°	22.3	24.3	26.3	30.4	34.4	42.5	54.7	145.8	1597.4	2188.6	2508.5
50°	20.2	20.2	22.3	26.3	32.4	38.5	50.6	143.7	1714.9	2354.7	2757.6
52.5°	18.2	18.2	20.2	24.3	30.4	36.4	48.6	147.8	1812.1	2508.5	2931.7
55°	16.2	16.2	18.2	20.2	26.3	34.4	44.5	151.8	1880.9	2664.4	3071.4
57.5°	14.2	14.2	16.2	20.2	24.3	30.4	40.5	155.9	1992.2	2818.3	3273.8
60°	10.1	10.1	14.2	18.2	22.3	26.3	38.5	159.9	2170.4	3030.9	3445.9
62.5°	6.1	6.1	8.1	14.2	18.2	24.3	34.4	151.8	2336.4	3304.2	3709.1
65°	2.0	4.0	6.1	8.1	14.2	20.2	28.3	137.7	2476.1	3577.5	3952.1
67.5°	0.0	0.0	2.0	6.1	12.1	16.2	24.3	101.2	2498.4	3701.0	4201.1
70°	0.0	0.0	2.0	6.1	10.1	16.2	22.3	56.7	2127.9	3306.2	3850.9
72.5°	0.0	0.0	0.0	4.0	10.1	14.2	20.2	42.5	1569.1	2492.3	3043.0
75°	0.0	0.0	0.0	2.0	8.1	12.1	18.2	32.4	953.6	1662.2	1986.2
77.5°	0.0	0.0	0.0	2.0	6.1	12.1	18.2	28.3	336.1	791.6	933.4
80°	0.0	0.0	0.0	4.0	8.1	12.1	16.2	24.3	81.0	198.4	267.3
82.5°	0.0	0.0	0.0	2.0	6.1	10.1	14.2	20.2	32.4	58.7	93.1
85°	0.0	0.0	0.0	2.0	4.0	10.1	14.2	18.2	22.3	28.3	40.5
87.5°	0.0	0.0	0.0	0.0	2.0	4.0	6.1	8.1	8.1	8.1	14.2
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5	617.5
2.5°	623.6	631.7	635.7	643.8	647.9	645.9	643.8	649.9	645.9	639.8
5°	645.9	645.9	651.9	654.0	654.0	647.9	651.9	649.9	645.9	645.9
7.5°	670.2	680.3	680.3	668.1	666.1	662.1	662.1	645.9	639.8	645.9
10°	694.5	702.6	704.6	690.4	672.2	664.1	654.0	633.7	623.6	627.6
12.5°	745.1	745.1	722.8	706.6	682.3	654.0	629.7	601.3	587.1	591.2
15°	781.5	789.6	759.2	722.8	680.3	627.6	601.3	579.0	570.9	564.9
17.5°	852.4	836.2	787.6	734.9	674.2	619.5	601.3	581.1	575.0	575.0
20°	913.1	905.0	832.1	737.0	672.2	635.7	623.6	613.5	611.4	605.4
22.5°	996.1	959.7	866.5	759.2	694.5	662.1	658.0	668.1	662.1	658.0
25°	1058.9	1028.5	892.9	791.6	728.9	718.7	724.8	734.9	718.7	712.7
27.5°	1143.9	1087.2	943.5	834.2	775.4	785.6	805.8	807.8	797.7	803.8
30°	1222.9	1162.1	982.0	882.7	854.4	864.5	894.9	917.2	903.0	894.9
32.5°	1336.3	1243.1	1058.9	963.7	953.6	979.9	1014.3	1028.5	1010.3	1006.2
35°	1455.7	1336.3	1137.8	1054.8	1073.1	1109.5	1139.9	1164.2	1135.8	1148.0
37.5°	1642.0	1486.1	1271.5	1198.6	1206.7	1220.9	1277.5	1344.4	1358.5	1334.2
40°	1836.4	1648.1	1395.0	1338.3	1356.5	1395.0	1461.8	1524.6	1557.0	1524.6
42.5°	2061.1	1804.0	1585.3	1518.5	1536.7	1591.4	1680.5	1731.1	1727.0	1678.4
45°	2338.5	2020.6	1763.5	1680.5	1747.3	1795.9	1884.9	1891.0	1852.5	1840.4
47.5°	2551.0	2202.8	1955.8	1903.2	1994.3	1996.3	2016.5	2018.6	1976.1	1961.9
50°	2785.9	2413.4	2170.4	2093.5	2247.4	2176.5	2121.8	2085.4	2020.6	1990.2
52.5°	3016.7	2563.2	2368.8	2289.9	2449.8	2261.5	2162.3	2051.0	1955.8	1923.4
55°	3140.2	2810.2	2658.4	2474.1	2494.4	2285.8	2036.8	1897.1	1735.1	1727.0
57.5°	3286.0	2976.2	2903.3	2599.6	2419.4	2115.8	1775.6	1591.4	1417.2	1397.0
60°	3458.1	3239.4	3162.5	2579.4	2154.2	1777.6	1407.1	1170.2	1006.2	992.1
62.5°	3650.4	3551.2	3322.4	2381.0	1710.8	1251.2	929.3	730.9	579.0	570.9
65°	3954.1	3812.4	3407.5	2004.4	1131.8	801.8	617.5	473.8	382.7	378.6
67.5°	4144.4	3911.6	3217.2	1429.4	627.6	530.5	433.3	344.2	265.2	249.0
70°	3875.2	3589.7	2545.0	818.0	364.4	402.9	334.1	230.8	182.2	178.2
72.5°	3095.7	2664.4	1712.8	384.7	226.8	315.8	243.0	155.9	109.3	105.3
75°	2111.7	1676.4	1075.1	178.2	159.9	230.8	178.2	91.1	76.9	76.9
77.5°	943.5	854.4	550.7	109.3	119.5	176.1	103.3	62.8	56.7	54.7
80°	287.5	301.7	224.7	74.9	89.1	133.6	62.8	42.5	34.4	32.4
82.5°	97.2	113.4	101.2	44.5	60.7	95.2	42.5	28.3	24.3	24.3
85°	46.6	56.7	50.6	28.3	32.4	46.6	34.4	22.3	14.2	14.2
87.5°	18.2	26.3	18.2	12.1	18.2	24.3	14.2	10.1	4.0	4.0
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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