

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: P676293

Luminaire Tested: **CCW-SA-2C-750-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676293
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-750-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

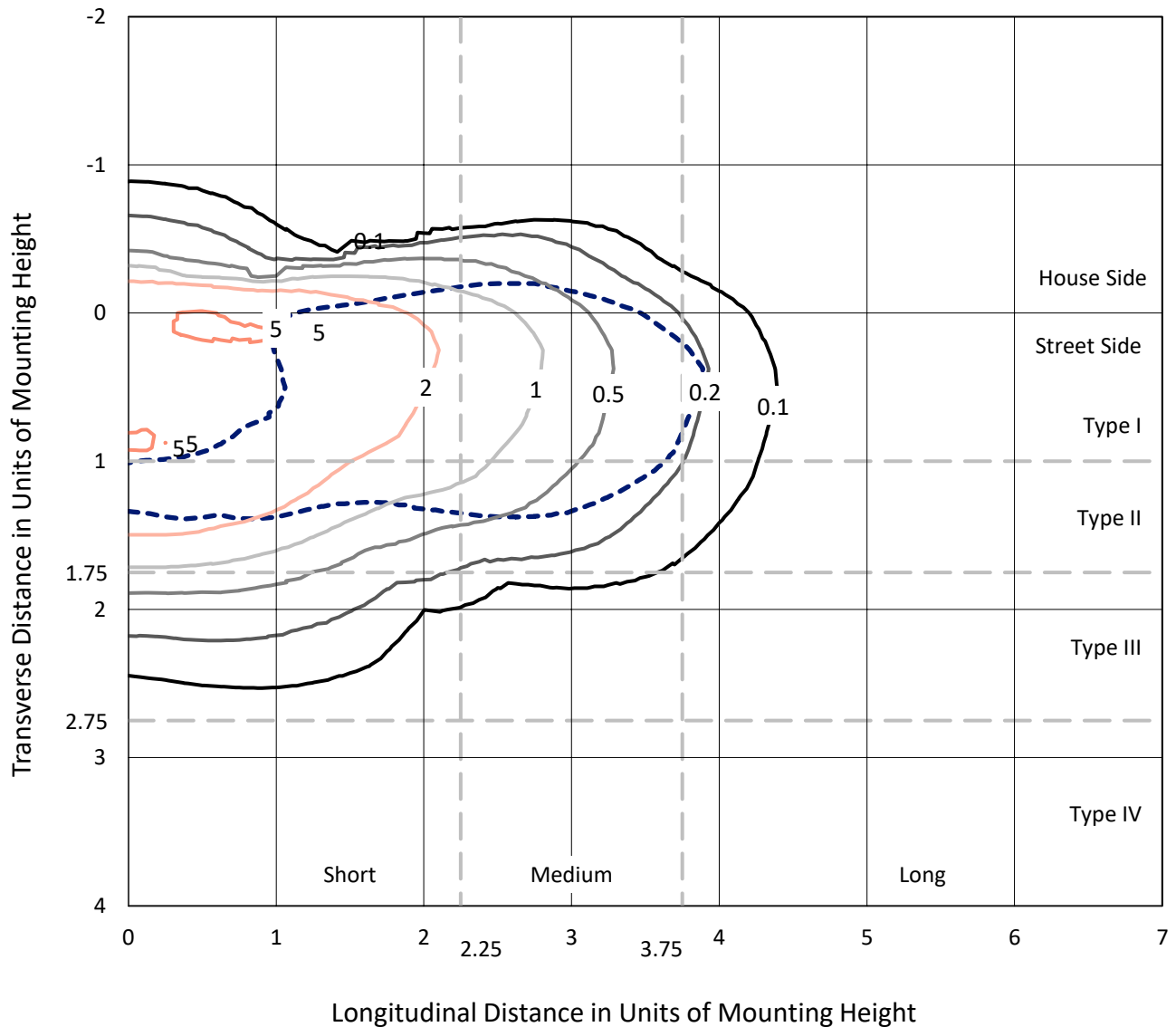
Lumens per Lamp: N/A
Luminaire Lumens: 7140.2 lumens
Efficiency: N/A
Efficacy: 115.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
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

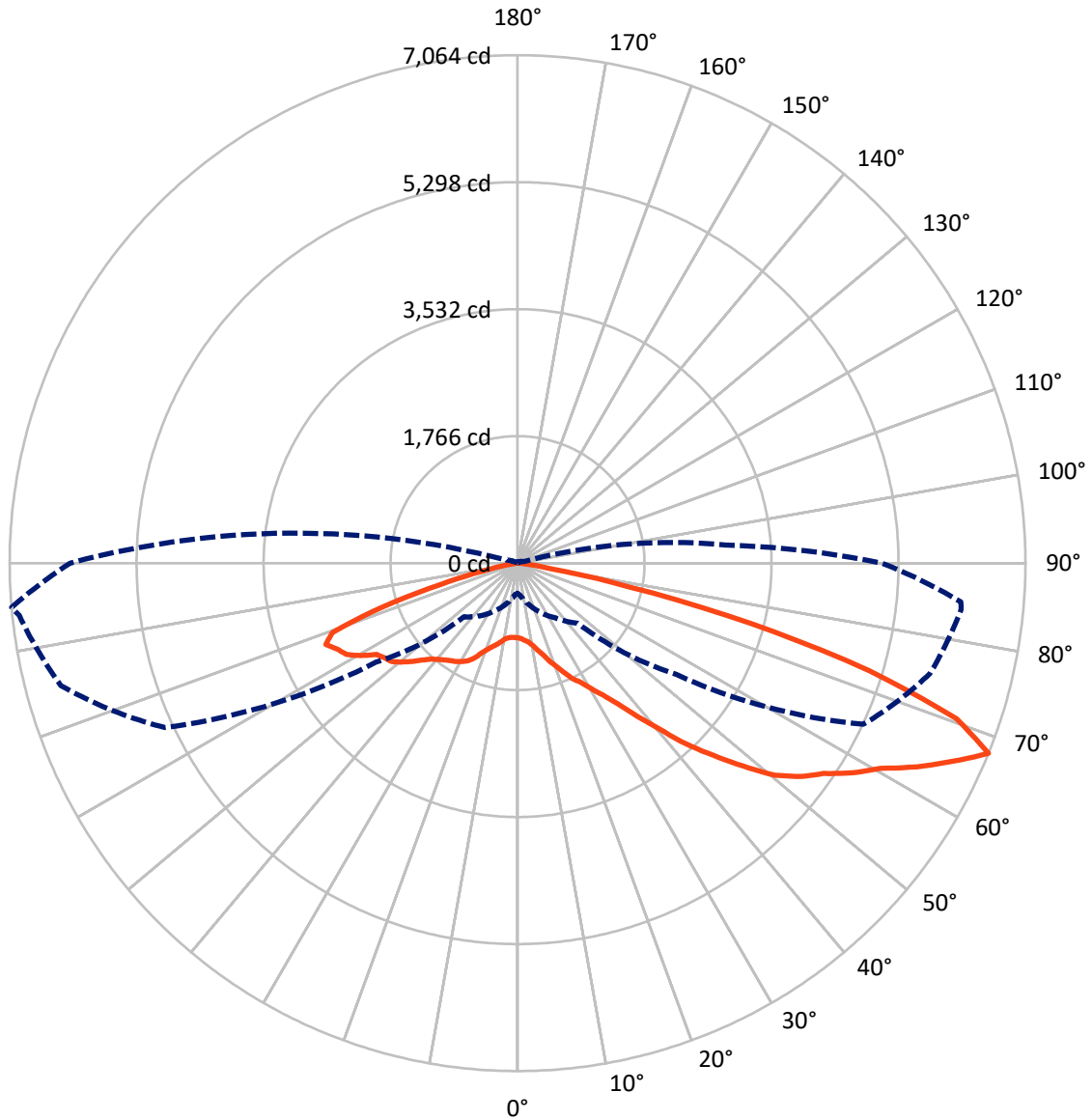
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5.5 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	1014.4	0.0	1014.4
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	6125.9	0.0	6125.9
	% Fixture	85.8	0.0	85.8
Total	Lumens	7140.2	0.0	7140.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.7	1.3
10°-20°	254.6	3.6
20°-30°	422.8	5.9
30°-40°	727.4	10.2
40°-50°	1307.2	18.3
50°-60°	1860.9	26.1
60°-70°	1696.5	23.8
70°-80°	722.4	10.1
80°-90°	53.8	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°	7140.2	100.0
0°-180°	7140.2	100.0



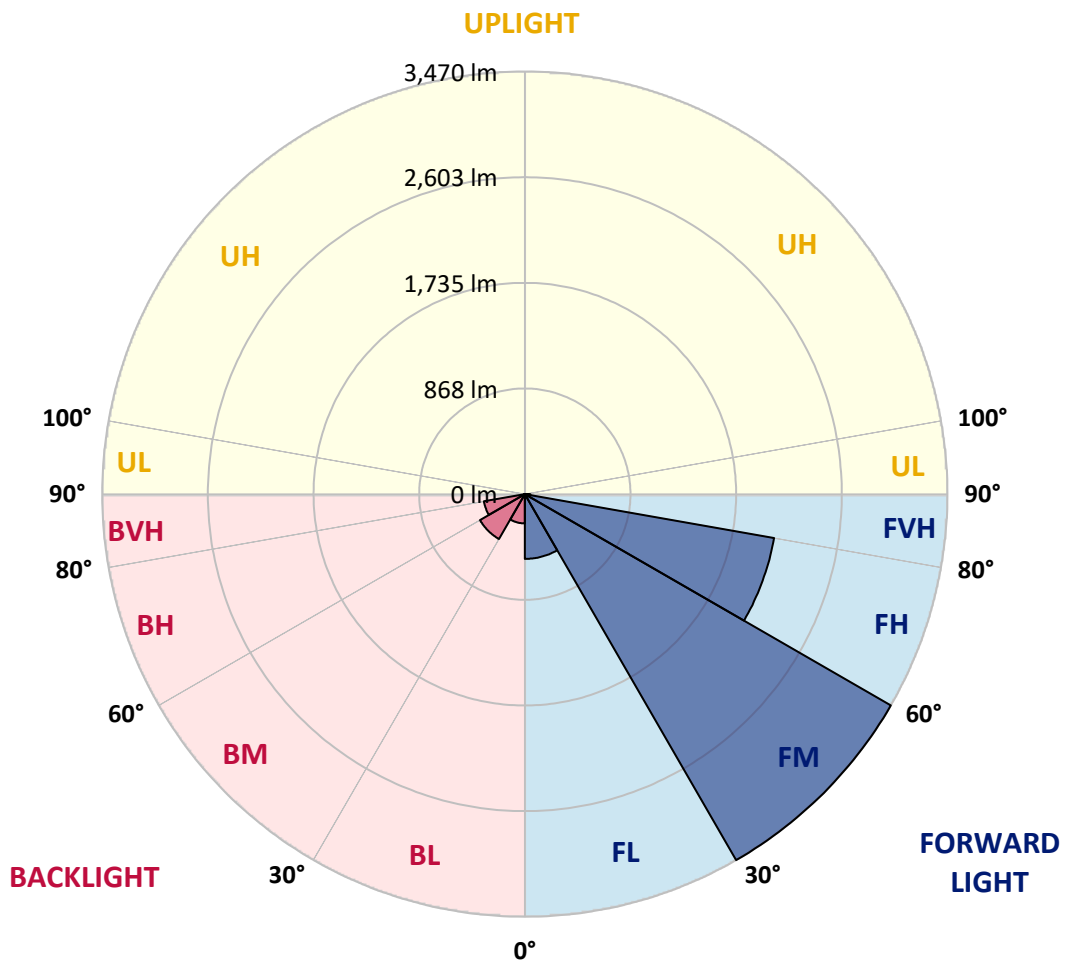
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	531.9	7.4			
FM (30°-60°)	3470.2	48.6			
FH (60°-80°)	2078.1	29.1			G2/5000
FVH (80°-90°)	45.7	0.6			G1/100
BL (0°-30°)	240.1	3.4	B1/500		
BM (30°-60°)	425.3	6.0	B1/1000		
BH (60°-80°)	340.8	4.8	B1/500		G1/500
BVH (80°-90°)	8.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1075.7	1086.0	1086.0	1082.6	1072.3	1065.5	1062.1	1055.3	1048.5	1048.5	1051.9
5°	1086.0	1075.7	1089.4	1072.3	1072.3	1072.3	1086.0	1079.1	1075.7	1058.7	1058.7
7.5°	1086.0	1075.7	1075.7	1086.0	1075.7	1082.6	1099.6	1092.8	1106.4	1075.7	1082.6
10°	1055.3	1051.9	1058.7	1072.3	1075.7	1089.4	1106.4	1140.4	1143.8	1123.4	1120.0
12.5°	994.0	990.6	1014.5	1021.3	1062.1	1096.2	1147.2	1174.5	1205.1	1194.9	1174.5
15°	949.8	956.6	973.6	1000.9	1038.3	1099.6	1157.4	1218.7	1273.2	1259.6	1252.8
17.5°	966.8	963.4	966.8	983.8	1031.5	1092.8	1191.5	1263.0	1341.3	1341.3	1348.1
20°	1017.9	1028.1	1024.7	1014.5	1038.3	1089.4	1191.5	1317.4	1446.8	1436.6	1436.6
22.5°	1106.4	1109.8	1089.4	1082.6	1079.1	1109.8	1211.9	1385.5	1535.3	1555.7	1548.9
25°	1198.3	1201.7	1194.9	1174.5	1147.2	1154.0	1249.4	1440.0	1657.9	1691.9	1685.1
27.5°	1351.5	1348.1	1331.1	1307.2	1266.4	1235.7	1307.2	1480.9	1753.2	1811.1	1794.0
30°	1504.7	1494.5	1470.6	1440.0	1402.6	1344.7	1378.7	1559.1	1872.3	1926.8	1889.4
32.5°	1691.9	1671.5	1678.3	1630.6	1552.3	1460.4	1453.6	1630.6	1967.7	2046.0	2015.3
35°	1930.2	1906.4	1872.3	1828.1	1753.2	1630.6	1593.2	1746.4	2127.7	2185.5	2185.5
37.5°	2243.4	2267.2	2226.4	2042.6	1960.8	1845.1	1766.8	1865.5	2267.2	2406.8	2372.8
40°	2563.4	2583.8	2508.9	2372.8	2195.7	2052.8	2005.1	2059.6	2478.3	2645.1	2580.4
42.5°	2822.1	2849.4	2822.1	2645.1	2505.5	2321.7	2236.6	2287.7	2750.6	2951.5	2866.4
45°	3094.5	3121.7	3091.1	2975.3	2839.1	2733.6	2519.1	2583.8	3036.6	3336.2	3240.8
47.5°	3298.7	3332.8	3278.3	3254.5	3145.5	3128.5	2764.3	2835.7	3336.2	3724.3	3605.1
50°	3346.4	3383.8	3431.5	3458.7	3421.3	3462.1	3094.5	3155.7	3649.4	4081.7	3966.0
52.5°	3234.0	3271.5	3377.0	3503.0	3676.6	3799.1	3428.1	3479.1	3976.2	4377.9	4316.6
55°	2903.8	2937.9	3152.3	3322.6	3737.9	3938.7	3748.1	3962.6	4211.1	4687.7	4537.9
57.5°	2348.9	2389.8	2672.3	2934.5	3533.6	3860.4	3938.7	4364.3	4599.1	4915.7	4742.1
60°	1668.1	1691.9	1937.0	2400.0	2968.5	3468.9	3901.3	4663.8	4905.5	5222.1	5130.2
62.5°	960.0	980.4	1235.7	1671.5	2240.0	2897.0	3734.5	4946.4	5235.7	5559.1	5508.1
65°	636.6	643.4	817.0	1055.3	1457.0	2134.5	3312.3	5198.3	5562.5	5828.1	5770.2
67.5°	418.7	456.2	592.3	755.7	932.8	1181.3	2699.6	5303.8	5937.0	6202.5	6188.9
70°	299.6	313.2	425.5	582.1	701.3	663.8	1579.6	4558.3	5920.0	6304.7	6192.3
72.5°	177.0	190.6	282.6	435.7	551.5	422.1	738.7	3223.8	4905.5	5031.5	5000.8
75°	129.4	129.4	173.6	313.2	401.7	303.0	347.2	2039.1	3257.9	3537.0	3533.6
77.5°	91.9	95.3	119.1	187.2	309.8	221.3	190.6	1133.6	1780.4	1947.2	1855.3
80°	54.5	57.9	81.7	112.3	224.7	160.0	126.0	517.4	684.3	691.1	657.0
82.5°	40.9	40.9	54.5	78.3	156.6	108.9	78.3	197.4	221.3	200.9	170.2
85°	23.8	20.4	40.9	57.9	91.9	61.3	54.5	91.9	102.1	74.9	68.1
87.5°	6.8	6.8	17.0	20.4	40.9	34.0	23.8	34.0	47.7	27.2	20.4
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°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1045.1	1034.9	1017.9	1011.1	987.2	977.0	970.2	953.2	956.6	946.4	946.4
5°	1034.9	1034.9	1000.9	963.4	926.0	902.1	874.9	840.9	840.9	827.2	830.6
7.5°	1072.3	1045.1	1000.9	932.8	871.5	817.0	793.2	759.1	738.7	728.5	728.5
10°	1096.2	1068.9	994.0	912.3	834.0	766.0	714.9	667.2	640.0	640.0	636.6
12.5°	1160.9	1120.0	1021.3	908.9	793.2	691.1	612.8	558.3	520.9	493.6	500.4
15°	1215.3	1171.1	1034.9	881.7	721.7	578.7	483.4	381.3	330.2	303.0	292.8
17.5°	1300.4	1218.7	1065.5	834.0	612.8	452.8	313.2	228.1	207.7	204.3	204.3
20°	1371.9	1276.6	1068.9	742.1	503.8	289.4	200.9	187.2	177.0	173.6	170.2
22.5°	1470.6	1351.5	1055.3	636.6	360.9	194.0	170.2	156.6	149.8	139.6	139.6
25°	1572.8	1450.2	1028.1	537.9	221.3	166.8	149.8	136.2	122.6	115.7	119.1
27.5°	1681.7	1525.1	949.8	418.7	170.2	146.4	122.6	112.3	105.5	102.1	102.1
30°	1770.2	1572.8	834.0	279.1	153.2	129.4	108.9	98.7	91.9	88.5	88.5
32.5°	1834.9	1613.6	704.7	187.2	139.6	115.7	98.7	88.5	81.7	78.3	78.3
35°	1943.8	1644.3	585.5	160.0	126.0	102.1	85.1	78.3	71.5	71.5	71.5
37.5°	2110.6	1685.1	466.4	146.4	115.7	91.9	81.7	71.5	68.1	64.7	64.7
40°	2257.0	1736.2	333.6	132.8	105.5	85.1	71.5	64.7	61.3	57.9	57.9
42.5°	2468.1	1794.0	217.9	119.1	95.3	78.3	64.7	57.9	54.5	51.1	51.1
45°	2737.0	1889.4	170.2	105.5	85.1	71.5	61.3	54.5	47.7	47.7	44.3
47.5°	3023.0	2005.1	153.2	98.7	78.3	64.7	54.5	47.7	44.3	40.9	40.9
50°	3288.5	2117.4	143.0	91.9	71.5	61.3	51.1	44.3	37.4	34.0	34.0
52.5°	3526.8	2223.0	136.2	85.1	68.1	54.5	44.3	37.4	34.0	30.6	30.6
55°	3652.8	2270.6	132.8	81.7	61.3	51.1	40.9	34.0	30.6	27.2	27.2
57.5°	3850.2	2331.9	129.4	78.3	57.9	44.3	37.4	30.6	27.2	23.8	23.8
60°	4170.2	2532.8	126.0	74.9	54.5	44.3	34.0	27.2	20.4	17.0	17.0
62.5°	4435.7	2699.6	112.3	64.7	47.7	37.4	27.2	20.4	13.6	10.2	10.2
65°	4738.7	2777.9	98.7	57.9	40.9	30.6	20.4	13.6	10.2	3.4	3.4
67.5°	5068.9	2897.0	81.7	51.1	37.4	23.8	17.0	10.2	3.4	0.0	0.0
70°	4895.3	2747.2	68.1	44.3	34.0	20.4	13.6	6.8	0.0	0.0	0.0
72.5°	3836.6	1967.7	54.5	40.9	30.6	20.4	13.6	3.4	0.0	0.0	0.0
75°	2563.4	1113.2	47.7	34.0	23.8	17.0	10.2	3.4	0.0	0.0	0.0
77.5°	1392.3	500.4	40.9	30.6	20.4	13.6	10.2	3.4	0.0	0.0	0.0
80°	452.8	197.4	34.0	27.2	20.4	13.6	10.2	3.4	0.0	0.0	0.0
82.5°	122.6	61.3	34.0	27.2	20.4	13.6	10.2	3.4	0.0	0.0	0.0
85°	51.1	40.9	34.0	27.2	20.4	13.6	10.2	3.4	0.0	0.0	0.0
87.5°	20.4	13.6	13.6	17.0	13.6	10.2	6.8	3.4	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°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	949.8	956.6	960.0	960.0	977.0	994.0	1014.5	1031.5	1031.5	1041.7	1051.9
5°	834.0	840.9	851.1	881.7	915.7	953.2	990.6	1017.9	1055.3	1072.3	1082.6
7.5°	738.7	745.5	772.8	803.4	851.1	915.7	980.4	1041.7	1079.1	1096.2	1109.8
10°	640.0	650.2	680.9	735.3	796.6	874.9	949.8	1055.3	1116.6	1150.6	1164.3
12.5°	497.0	524.3	565.1	623.0	701.3	820.4	960.0	1068.9	1174.5	1215.3	1242.6
15°	313.2	337.0	401.7	493.6	599.1	738.7	932.8	1089.4	1235.7	1276.6	1320.9
17.5°	200.9	204.3	224.7	323.4	459.6	636.6	891.9	1120.0	1303.8	1361.7	1429.8
20°	170.2	177.0	180.4	194.0	306.4	524.3	806.8	1157.4	1385.5	1463.8	1528.5
22.5°	143.0	146.4	153.2	163.4	183.8	381.3	691.1	1157.4	1457.0	1572.8	1647.7
25°	115.7	122.6	129.4	139.6	160.0	238.3	571.9	1137.0	1542.1	1685.1	1780.4
27.5°	102.1	102.1	108.9	119.1	136.2	166.8	452.8	1075.7	1606.8	1753.2	1879.1
30°	88.5	91.9	95.3	105.5	122.6	146.4	313.2	977.0	1674.9	1886.0	2028.9
32.5°	78.3	78.3	85.1	91.9	108.9	132.8	200.9	827.2	1763.4	1988.1	2188.9
35°	71.5	71.5	74.9	81.7	98.7	119.1	156.6	701.3	1868.9	2182.1	2403.4
37.5°	64.7	64.7	68.1	74.9	88.5	105.5	143.0	602.6	1977.9	2376.2	2699.6
40°	57.9	57.9	61.3	68.1	78.3	95.3	129.4	486.8	2114.0	2662.1	3023.0
42.5°	51.1	51.1	54.5	61.3	71.5	85.1	112.3	364.3	2294.5	2971.9	3441.7
45°	44.3	44.3	47.7	54.5	61.3	78.3	102.1	279.1	2491.9	3315.7	3809.4
47.5°	37.4	40.9	44.3	51.1	57.9	71.5	91.9	245.1	2686.0	3680.0	4217.9
50°	34.0	34.0	37.4	44.3	54.5	64.7	85.1	241.7	2883.4	3959.1	4636.6
52.5°	30.6	30.6	34.0	40.9	51.1	61.3	81.7	248.5	3046.8	4217.9	4929.4
55°	27.2	27.2	30.6	34.0	44.3	57.9	74.9	255.3	3162.6	4480.0	5164.3
57.5°	23.8	23.8	27.2	34.0	40.9	51.1	68.1	262.1	3349.8	4738.7	5504.7
60°	17.0	17.0	23.8	30.6	37.4	44.3	64.7	268.9	3649.4	5096.2	5794.0
62.5°	10.2	10.2	13.6	23.8	30.6	40.9	57.9	255.3	3928.5	5555.7	6236.6
65°	3.4	6.8	10.2	13.6	23.8	34.0	47.7	231.5	4163.4	6015.3	6645.1
67.5°	0.0	0.0	3.4	10.2	20.4	27.2	40.9	170.2	4200.8	6223.0	7063.8
70°	0.0	0.0	3.4	10.2	17.0	27.2	37.4	95.3	3577.9	5559.1	6474.9
72.5°	0.0	0.0	0.0	6.8	17.0	23.8	34.0	71.5	2638.3	4190.6	5116.6
75°	0.0	0.0	0.0	3.4	13.6	20.4	30.6	54.5	1603.4	2794.9	3339.6
77.5°	0.0	0.0	0.0	3.4	10.2	20.4	30.6	47.7	565.1	1331.1	1569.4
80°	0.0	0.0	0.0	6.8	13.6	20.4	27.2	40.9	136.2	333.6	449.4
82.5°	0.0	0.0	0.0	3.4	10.2	17.0	23.8	34.0	54.5	98.7	156.6
85°	0.0	0.0	0.0	3.4	6.8	17.0	23.8	30.6	37.4	47.7	68.1
87.5°	0.0	0.0	0.0	0.0	3.4	6.8	10.2	13.6	13.6	13.6	23.8
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):

	276°	285°	295°	305°	315°	325°	335°	345°	355°	360°
0°	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3	1038.3
2.5°	1048.5	1062.1	1068.9	1082.6	1089.4	1086.0	1082.6	1092.8	1086.0	1075.7
5°	1086.0	1086.0	1096.2	1099.6	1099.6	1089.4	1096.2	1092.8	1086.0	1086.0
7.5°	1126.8	1143.8	1143.8	1123.4	1120.0	1113.2	1113.2	1086.0	1075.7	1086.0
10°	1167.7	1181.3	1184.7	1160.9	1130.2	1116.6	1099.6	1065.5	1048.5	1055.3
12.5°	1252.8	1252.8	1215.3	1188.1	1147.2	1099.6	1058.7	1011.1	987.2	994.0
15°	1314.0	1327.7	1276.6	1215.3	1143.8	1055.3	1011.1	973.6	960.0	949.8
17.5°	1433.2	1406.0	1324.3	1235.7	1133.6	1041.7	1011.1	977.0	966.8	966.8
20°	1535.3	1521.7	1399.1	1239.1	1130.2	1068.9	1048.5	1031.5	1028.1	1017.9
22.5°	1674.9	1613.6	1457.0	1276.6	1167.7	1113.2	1106.4	1123.4	1113.2	1106.4
25°	1780.4	1729.4	1501.3	1331.1	1225.5	1208.5	1218.7	1235.7	1208.5	1198.3
27.5°	1923.4	1828.1	1586.4	1402.6	1303.8	1320.9	1354.9	1358.3	1341.3	1351.5
30°	2056.2	1954.0	1651.1	1484.3	1436.6	1453.6	1504.7	1542.1	1518.3	1504.7
32.5°	2246.8	2090.2	1780.4	1620.4	1603.4	1647.7	1705.5	1729.4	1698.7	1691.9
35°	2447.7	2246.8	1913.2	1773.6	1804.3	1865.5	1916.6	1957.4	1909.8	1930.2
37.5°	2760.8	2498.7	2137.9	2015.3	2028.9	2052.8	2148.1	2260.4	2284.3	2243.4
40°	3087.7	2771.1	2345.5	2250.2	2280.8	2345.5	2457.9	2563.4	2617.9	2563.4
42.5°	3465.5	3033.2	2665.5	2553.2	2583.8	2675.7	2825.5	2910.6	2903.8	2822.1
45°	3931.9	3397.4	2965.1	2825.5	2937.9	3019.6	3169.4	3179.6	3114.9	3094.5
47.5°	4289.4	3703.8	3288.5	3200.0	3353.2	3356.6	3390.6	3394.0	3322.6	3298.7
50°	4684.3	4057.9	3649.4	3520.0	3778.7	3659.6	3567.7	3506.4	3397.4	3346.4
52.5°	5072.3	4309.8	3983.0	3850.2	4119.1	3802.6	3635.7	3448.5	3288.5	3234.0
55°	5280.0	4725.1	4469.8	4160.0	4194.0	3843.4	3424.7	3189.8	2917.4	2903.8
57.5°	5525.1	5004.3	4881.7	4371.1	4068.1	3557.4	2985.5	2675.7	2383.0	2348.9
60°	5814.5	5446.8	5317.4	4337.0	3622.1	2988.9	2366.0	1967.7	1691.9	1668.1
62.5°	6137.9	5971.1	5586.4	4003.4	2876.6	2103.8	1562.6	1228.9	973.6	960.0
65°	6648.5	6410.2	5729.4	3370.2	1903.0	1348.1	1038.3	796.6	643.4	636.6
67.5°	6968.5	6577.0	5409.4	2403.4	1055.3	891.9	728.5	578.7	446.0	418.7
70°	6515.7	6035.7	4279.1	1375.3	612.8	677.4	561.7	388.1	306.4	299.6
72.5°	5205.1	4480.0	2880.0	646.8	381.3	531.1	408.5	262.1	183.8	177.0
75°	3550.6	2818.7	1807.7	299.6	268.9	388.1	299.6	153.2	129.4	129.4
77.5°	1586.4	1436.6	926.0	183.8	200.9	296.2	173.6	105.5	95.3	91.9
80°	483.4	507.2	377.9	126.0	149.8	224.7	105.5	71.5	57.9	54.5
82.5°	163.4	190.6	170.2	74.9	102.1	160.0	71.5	47.7	40.9	40.9
85°	78.3	95.3	85.1	47.7	54.5	78.3	57.9	37.4	23.8	23.8
87.5°	30.6	44.3	30.6	20.4	30.6	40.9	23.8	17.0	6.8	6.8
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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