

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: P677445

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

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677445
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-SLR-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SLR distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

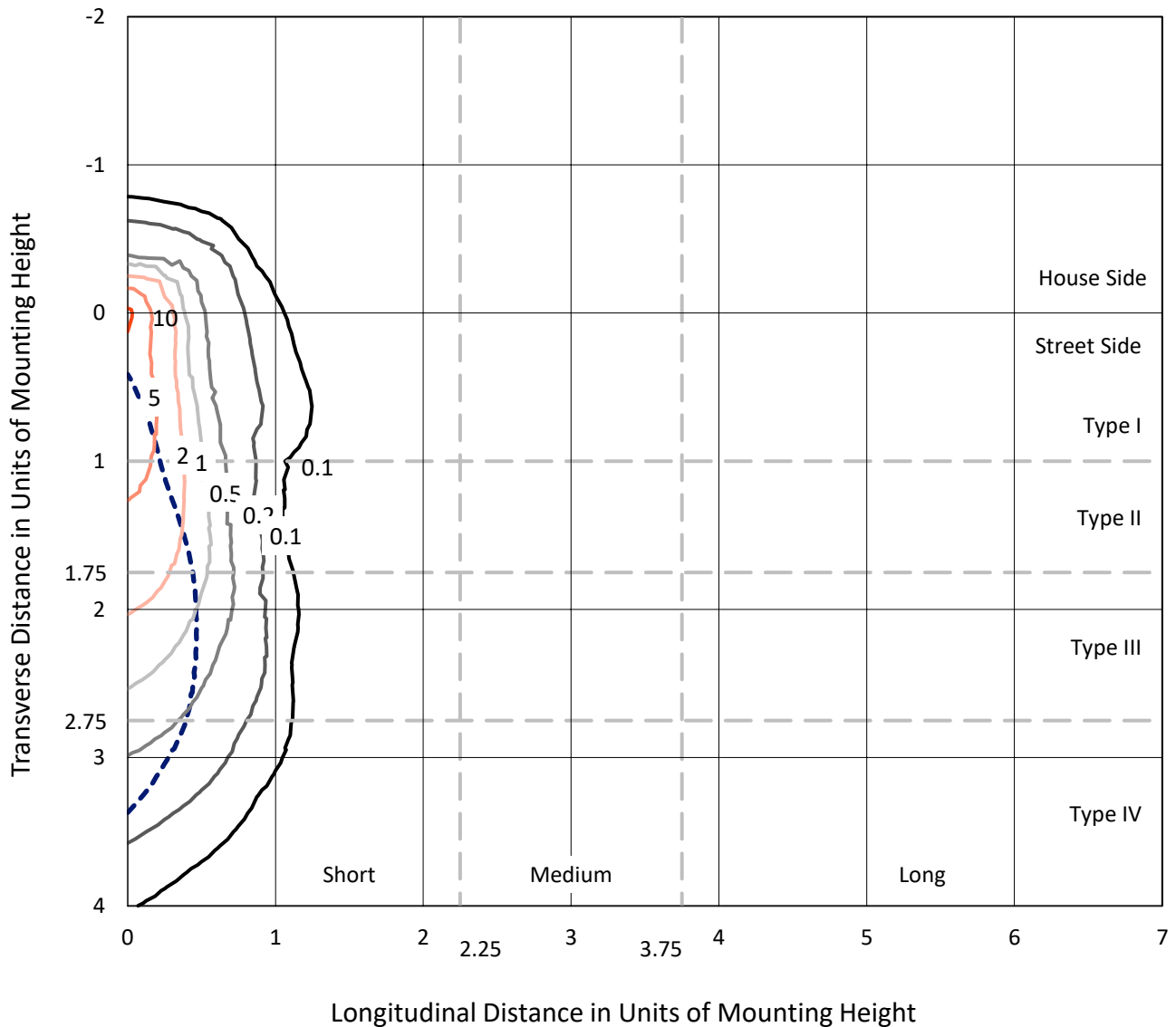
Lumens per Lamp: N/A
Luminaire Lumens: 6646.3 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (A_{in}): 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

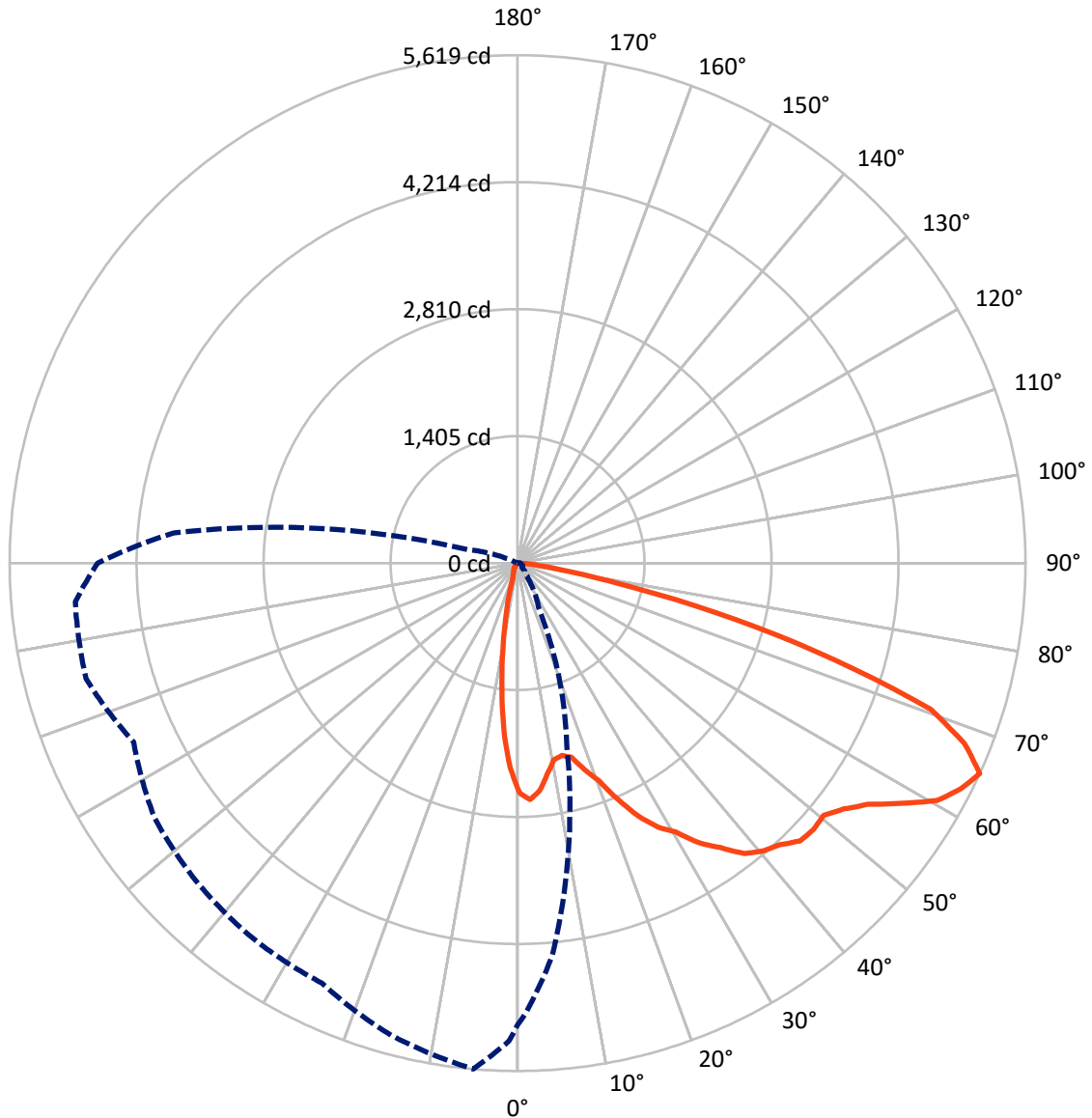
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 11.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	862.9	0.0	862.9
	% Fixture	13.0	0.0	13.0
Street Side	Lumens	5783.4	0.0	5783.4
	% Fixture	87.0	0.0	87.0
Total	Lumens	6646.3	0.0	6646.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.5	2.9
10°-20°	372.7	5.6
20°-30°	519.1	7.8
30°-40°	737.6	11.1
40°-50°	1022.8	15.4
50°-60°	1393.6	21.0
60°-70°	1532.1	23.1
70°-80°	753.0	11.3
80°-90°	123.0	1.9
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°	6646.3	100.0
0°-180°	6646.3	100.0



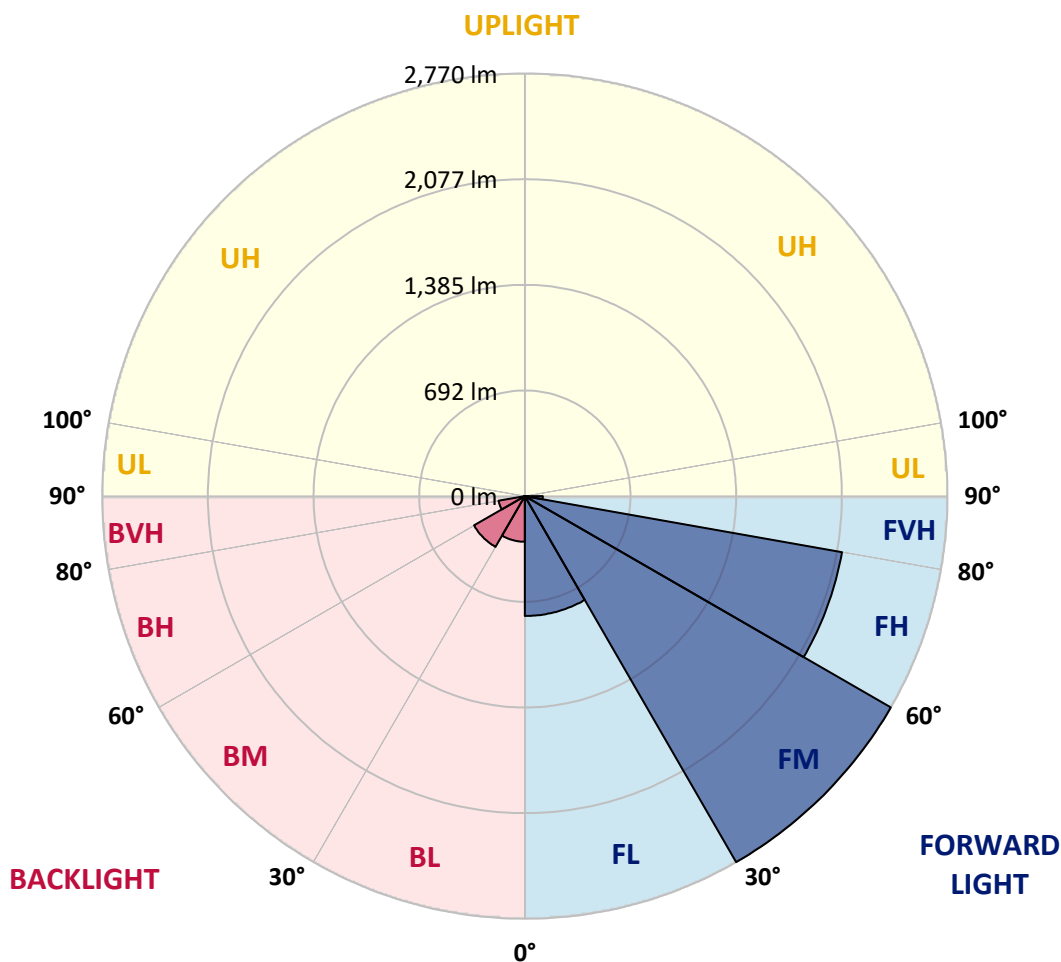
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	785.5	11.8			
FM (30°-60°)	2769.7	41.7			
FH (60°-80°)	2110.8	31.8			G2/5000
FVH (80°-90°)	117.4	1.8			G2/225
BL (0°-30°)	298.8	4.5	B1/500		
BM (30°-60°)	384.2	5.8	B1/1000		
BH (60°-80°)	174.4	2.6	B1/500		G1/500
BVH (80°-90°)	5.5	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9
2.5°	2592.8	2623.3	2594.6	2494.3	2476.4	2428.0	2354.5	2349.2	2272.1	2281.1	2239.8
5°	2437.0	2467.4	2406.5	2273.9	2150.3	2051.7	1992.6	1886.8	1863.6	1811.6	1811.6
7.5°	2277.5	2275.7	2171.8	2060.7	1876.1	1695.1	1612.7	1460.4	1370.8	1322.4	1275.8
10°	2144.9	2116.2	2051.7	1822.3	1621.6	1433.5	1331.4	1231.0	1137.8	1057.2	976.6
12.5°	2051.7	2069.6	1967.5	1718.4	1458.6	1327.8	1218.5	1112.8	1001.7	910.3	820.7
15°	2100.1	2071.4	1951.4	1695.1	1431.7	1252.5	1107.4	978.4	854.7	734.7	666.6
17.5°	2250.6	2177.1	2035.6	1695.1	1376.2	1137.8	962.2	809.9	677.3	569.8	485.6
20°	2453.1	2368.9	2216.6	1757.8	1334.9	1053.6	813.5	621.8	483.8	383.5	319.0
22.5°	2660.9	2594.6	2365.3	1782.9	1286.6	940.7	641.5	449.8	322.5	258.0	225.8
25°	2910.0	2816.8	2566.0	1883.3	1214.9	831.4	505.3	313.6	240.1	206.1	186.4
27.5°	3108.9	3092.8	2754.1	1944.2	1161.1	741.8	399.6	249.1	198.9	173.8	161.3
30°	3359.8	3272.0	2983.5	2066.0	1100.2	639.7	333.3	224.0	182.8	155.9	146.9
32.5°	3510.3	3469.1	3103.5	2134.1	1032.1	555.5	286.7	197.1	166.6	146.9	138.0
35°	3728.9	3646.5	3275.6	2177.1	996.3	507.1	258.0	179.2	139.8	120.1	109.3
37.5°	3972.6	3942.1	3481.6	2175.3	944.3	478.4	238.3	166.6	132.6	111.1	98.6
40°	4221.7	4098.0	3607.1	2225.5	917.4	456.9	224.0	159.5	125.4	105.7	89.6
42.5°	4408.0	4266.5	3752.2	2207.6	885.2	419.3	218.6	148.7	120.1	96.8	82.4
45°	4458.2	4408.0	3883.0	2202.2	861.9	388.8	209.6	146.9	116.5	91.4	77.1
47.5°	4555.0	4520.9	4044.3	2211.2	844.0	365.5	188.1	150.5	111.1	86.0	73.5
50°	4598.0	4537.0	4175.1	2232.7	802.8	336.9	168.4	157.7	109.3	84.2	69.9
52.5°	4775.4	4721.6	4354.3	2293.6	768.7	299.2	148.7	150.5	112.9	78.8	66.3
55°	4949.2	4888.2	4630.2	2433.4	720.3	268.8	127.2	132.6	107.5	71.7	59.1
57.5°	5187.5	5087.1	4814.8	2490.7	677.3	227.6	112.9	109.3	100.3	64.5	52.0
60°	5223.3	5264.5	4787.9	2454.9	632.5	200.7	98.6	84.2	107.5	57.3	44.8
62.5°	5343.4	5171.4	4662.5	2372.4	600.3	184.6	87.8	69.9	93.2	50.2	37.6
65°	5112.2	4985.0	4368.6	2107.2	559.1	186.4	77.1	57.3	59.1	41.2	30.5
67.5°	4773.6	4673.2	3881.2	1818.8	517.9	182.8	68.1	50.2	44.8	35.8	26.9
70°	4189.4	3972.6	3297.1	1476.5	456.9	170.2	57.3	44.8	37.6	28.7	19.7
72.5°	3048.0	2960.2	2365.3	1141.4	410.3	154.1	53.8	37.6	32.3	21.5	16.1
75°	2051.7	1906.6	1492.6	749.0	329.7	134.4	44.8	34.0	25.1	16.1	12.5
77.5°	1084.1	1025.0	845.8	356.6	182.8	62.7	25.1	19.7	14.3	12.5	7.2
80°	469.5	417.5	365.5	145.1	64.5	28.7	16.1	10.8	9.0	7.2	3.6
82.5°	240.1	229.4	189.9	62.7	37.6	21.5	9.0	7.2	5.4	3.6	1.8
85°	118.3	121.8	100.3	19.7	21.5	12.5	1.8	1.8	0.0	0.0	0.0
87.5°	9.0	9.0	7.2	3.6	5.4	1.8	0.0	0.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9
2.5°	2223.7	2248.8	2205.8	2232.7	2220.1	2225.5	2230.9	2216.6	2220.1	2270.3	2272.1
5°	1781.1	1829.5	1811.6	1836.7	1879.7	1858.2	1877.9	1874.3	1877.9	1885.1	1917.3
7.5°	1270.4	1256.1	1290.2	1356.5	1433.5	1480.1	1456.8	1444.3	1437.1	1419.2	1440.7
10°	958.7	951.5	942.5	962.2	1012.4	1064.4	1093.0	1044.7	1017.8	983.7	971.2
12.5°	795.6	750.8	725.7	695.2	709.6	756.2	758.0	711.4	668.4	650.5	670.2
15°	627.2	596.7	551.9	508.9	487.4	523.2	492.8	448.0	392.4	385.3	383.5
17.5°	448.0	430.1	397.8	379.9	354.8	345.8	313.6	245.5	206.1	195.3	198.9
20°	304.6	290.3	288.5	272.4	261.6	254.4	202.5	157.7	145.1	146.9	148.7
22.5°	225.8	218.6	209.6	207.9	198.9	189.9	148.7	132.6	123.6	123.6	129.0
25°	184.6	181.0	172.0	168.4	164.9	152.3	125.4	112.9	109.3	105.7	111.1
27.5°	157.7	155.9	150.5	145.1	141.6	129.0	109.3	98.6	95.0	95.0	95.0
30°	141.6	141.6	134.4	123.6	123.6	109.3	93.2	86.0	82.4	82.4	80.6
32.5°	132.6	129.0	120.1	112.9	107.5	93.2	82.4	75.3	69.9	69.9	71.7
35°	107.5	107.5	105.7	100.3	93.2	78.8	69.9	62.7	59.1	57.3	59.1
37.5°	95.0	89.6	82.4	84.2	80.6	68.1	59.1	53.8	48.4	48.4	48.4
40°	86.0	80.6	73.5	68.1	66.3	60.9	52.0	43.0	37.6	35.8	35.8
42.5°	77.1	73.5	62.7	53.8	52.0	52.0	39.4	32.3	26.9	26.9	26.9
45°	71.7	66.3	57.3	46.6	37.6	39.4	32.3	23.3	19.7	17.9	17.9
47.5°	68.1	62.7	50.2	39.4	28.7	28.7	23.3	16.1	12.5	10.8	10.8
50°	62.7	57.3	44.8	32.3	21.5	17.9	14.3	9.0	5.4	3.6	3.6
52.5°	59.1	53.8	39.4	26.9	17.9	12.5	9.0	1.8	0.0	0.0	0.0
55°	53.8	46.6	34.0	21.5	14.3	7.2	1.8	0.0	0.0	0.0	0.0
57.5°	46.6	41.2	26.9	16.1	9.0	1.8	0.0	0.0	0.0	0.0	0.0
60°	39.4	34.0	21.5	12.5	3.6	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	32.3	28.7	16.1	7.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	26.9	21.5	12.5	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	23.3	17.9	9.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	17.9	12.5	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	12.5	9.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	9.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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°	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9
2.5°	2279.3	2333.0	2383.2	2397.5	2437.0	2546.3	2546.3	2598.2	2691.4	2725.4	2732.6
5°	1922.7	1980.0	1990.8	2101.9	2153.8	2264.9	2338.4	2514.0	2619.7	2686.0	2727.2
7.5°	1462.2	1481.9	1523.1	1627.0	1729.2	1863.6	2003.3	2227.3	2413.7	2488.9	2628.7
10°	1005.2	1064.4	1154.0	1247.1	1406.6	1555.4	1736.3	1947.8	2177.1	2270.3	2390.4
12.5°	677.3	759.8	903.1	1035.7	1182.6	1333.2	1505.2	1788.3	2048.1	2177.1	2297.2
15°	396.0	496.4	620.0	835.0	1030.3	1198.8	1370.8	1657.5	1972.9	2139.5	2286.4
17.5°	200.7	231.2	333.3	519.6	777.7	1053.6	1309.9	1675.4	2030.2	2234.5	2356.3
20°	150.5	159.5	188.1	275.9	532.2	870.9	1252.5	1702.3	2189.7	2438.7	2505.0
22.5°	130.8	138.0	150.5	179.2	299.2	666.6	1171.9	1768.6	2406.5	2641.2	2781.0
25°	111.1	118.3	129.0	146.9	191.7	453.3	1073.3	1838.5	2600.0	2895.7	3026.5
27.5°	96.8	102.1	112.9	127.2	155.9	288.5	903.1	1931.6	2895.7	3203.9	3237.9
30°	82.4	87.8	96.8	112.9	132.6	204.3	663.0	1944.2	3058.7	3338.3	3433.2
32.5°	71.7	73.5	84.2	98.6	111.1	161.3	465.9	1956.7	3178.8	3512.1	3531.8
35°	59.1	62.7	73.5	82.4	96.8	127.2	353.0	1894.0	3334.7	3691.3	3685.9
37.5°	48.4	53.8	60.9	68.1	78.8	107.5	281.3	1777.5	3530.0	3969.0	3800.6
40°	37.6	43.0	50.2	59.1	66.3	96.8	211.4	1601.9	3734.3	4105.2	3926.0
42.5°	26.9	30.5	37.6	46.6	59.1	80.6	152.3	1394.1	3814.9	4264.7	4076.5
45°	19.7	23.3	28.7	39.4	60.9	64.5	105.7	1204.1	3900.9	4334.6	4042.5
47.5°	10.8	14.3	21.5	34.0	53.8	48.4	75.3	1033.9	3999.5	4397.3	4069.4
50°	3.6	5.4	12.5	35.8	43.0	37.6	59.1	942.5	4096.2	4409.8	4123.1
52.5°	0.0	0.0	7.2	37.6	32.3	28.7	52.0	906.7	4071.1	4449.2	4089.1
55°	0.0	0.0	1.8	16.1	17.9	21.5	43.0	904.9	4248.5	4461.8	4275.4
57.5°	0.0	0.0	0.0	5.4	10.8	17.9	37.6	847.6	4361.4	4773.6	4526.3
60°	0.0	0.0	0.0	1.8	7.2	12.5	28.7	797.4	4476.1	4913.3	4795.1
62.5°	0.0	0.0	0.0	0.0	1.8	5.4	19.7	720.3	4245.0	4902.6	5054.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	12.5	569.8	3818.5	4646.3	4911.5
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	7.2	394.2	3343.6	4323.8	4648.1
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	238.3	2698.6	3791.6	3942.1
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	102.1	1926.3	3010.4	3234.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	41.2	1191.6	2200.4	2476.4
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	16.1	772.3	1666.4	1879.7
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.6	412.1	1044.7	1214.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	179.2	634.3	731.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	57.3	385.3	439.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	59.1	78.8
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9	2540.9
2.5°	2736.2	2788.2	2807.9	2777.4	2781.0	2718.3	2709.3	2621.5	2585.7	2592.8
5°	2861.6	2936.9	2978.1	2944.1	2867.0	2746.9	2637.6	2533.7	2469.2	2437.0
7.5°	2833.0	2917.2	2969.1	3001.4	2913.6	2720.1	2553.4	2358.1	2275.7	2277.5
10°	2675.3	2850.9	2956.6	2915.4	2874.2	2680.6	2422.6	2211.2	2137.7	2144.9
12.5°	2548.1	2743.4	2806.1	2838.3	2754.1	2600.0	2426.2	2184.3	2101.9	2051.7
15°	2469.2	2614.3	2617.9	2668.1	2634.1	2634.1	2463.8	2227.3	2155.6	2100.1
17.5°	2469.2	2501.5	2497.9	2515.8	2573.1	2641.2	2558.8	2401.1	2259.6	2250.6
20°	2524.8	2424.4	2401.1	2408.3	2456.7	2659.1	2768.5	2571.3	2481.8	2453.1
22.5°	2653.8	2433.4	2291.8	2266.7	2415.5	2657.4	2902.8	2840.1	2684.2	2660.9
25°	2831.2	2417.2	2263.1	2230.9	2343.8	2721.9	3087.4	3099.9	2958.4	2910.0
27.5°	2999.6	2488.9	2259.6	2252.4	2401.1	2707.5	3214.6	3307.8	3148.3	3108.9
30°	3056.9	2560.6	2325.9	2230.9	2422.6	2759.5	3211.0	3454.7	3350.8	3359.8
32.5°	3125.0	2632.3	2333.0	2295.4	2514.0	2843.7	3313.2	3691.3	3616.0	3510.3
35°	3225.4	2729.0	2401.1	2367.1	2578.5	2919.0	3334.7	3865.1	3852.5	3728.9
37.5°	3311.4	2824.0	2542.7	2548.1	2775.6	3040.8	3429.7	4078.3	4056.8	3972.6
40°	3372.3	2956.6	2763.1	2777.4	2947.6	3177.0	3598.1	4185.8	4345.3	4221.7
42.5°	3381.3	3074.9	3015.7	3130.4	3289.9	3388.4	3666.2	4259.3	4488.7	4408.0
45°	3415.3	3263.0	3427.9	3512.1	3642.9	3574.8	3662.6	4384.7	4499.4	4458.2
47.5°	3547.9	3605.3	3813.1	4069.4	4115.9	3892.0	3748.6	4404.4	4560.3	4555.0
50°	3685.9	3972.6	4264.7	4434.9	4494.0	4110.6	3829.2	4388.3	4641.0	4598.0
52.5°	3840.0	4291.5	4712.6	4922.3	4890.0	4352.5	3920.6	4519.1	4789.7	4775.4
55°	3936.8	4434.9	5001.1	5293.2	5268.1	4623.0	4210.9	4707.3	4985.0	4949.2
57.5°	4193.0	4667.8	5287.8	5424.0	5490.3	4977.8	4413.4	5015.5	5148.1	5187.5
60°	4404.4	4820.2	5363.1	5560.2	5583.5	5189.3	4768.2	5332.6	5355.9	5223.3
62.5°	4714.4	4879.3	5203.6	5381.0	5501.1	5309.3	5087.1	5502.9	5352.3	5343.4
65°	4942.0	4685.8	4906.2	5004.7	5081.8	5126.6	5407.9	5619.3	5286.0	5112.2
67.5°	4814.8	4320.2	4279.0	4284.4	4307.7	4578.2	5300.4	5334.4	4916.9	4773.6
70°	4237.8	3544.3	3488.8	3531.8	3415.3	3741.4	4864.9	4848.8	4338.1	4189.4
72.5°	3427.9	2583.9	2488.9	2548.1	2574.9	2920.8	4092.6	3676.9	3164.5	3048.0
75°	2723.7	1894.0	1598.4	1741.7	1833.1	2127.0	3196.7	2497.9	2209.4	2051.7
77.5°	2139.5	1433.5	1243.6	1186.2	1270.4	1546.4	2325.9	1311.7	1157.6	1084.1
80°	1356.5	1053.6	1143.2	1060.8	1096.6	1103.8	1211.3	596.7	474.8	469.5
82.5°	817.1	720.3	856.5	471.3	858.3	766.9	503.5	270.6	240.1	240.1
85°	578.8	446.2	295.7	191.7	381.7	421.1	195.3	139.8	121.8	118.3
87.5°	290.3	138.0	66.3	43.0	48.4	78.8	23.3	10.8	10.8	9.0
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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