

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: P674145

Luminaire Tested: **CCP-SA-2C-750-U-SLL-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674145
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-750-U-SLL-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ SLL distribution lens and House Side Shield
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

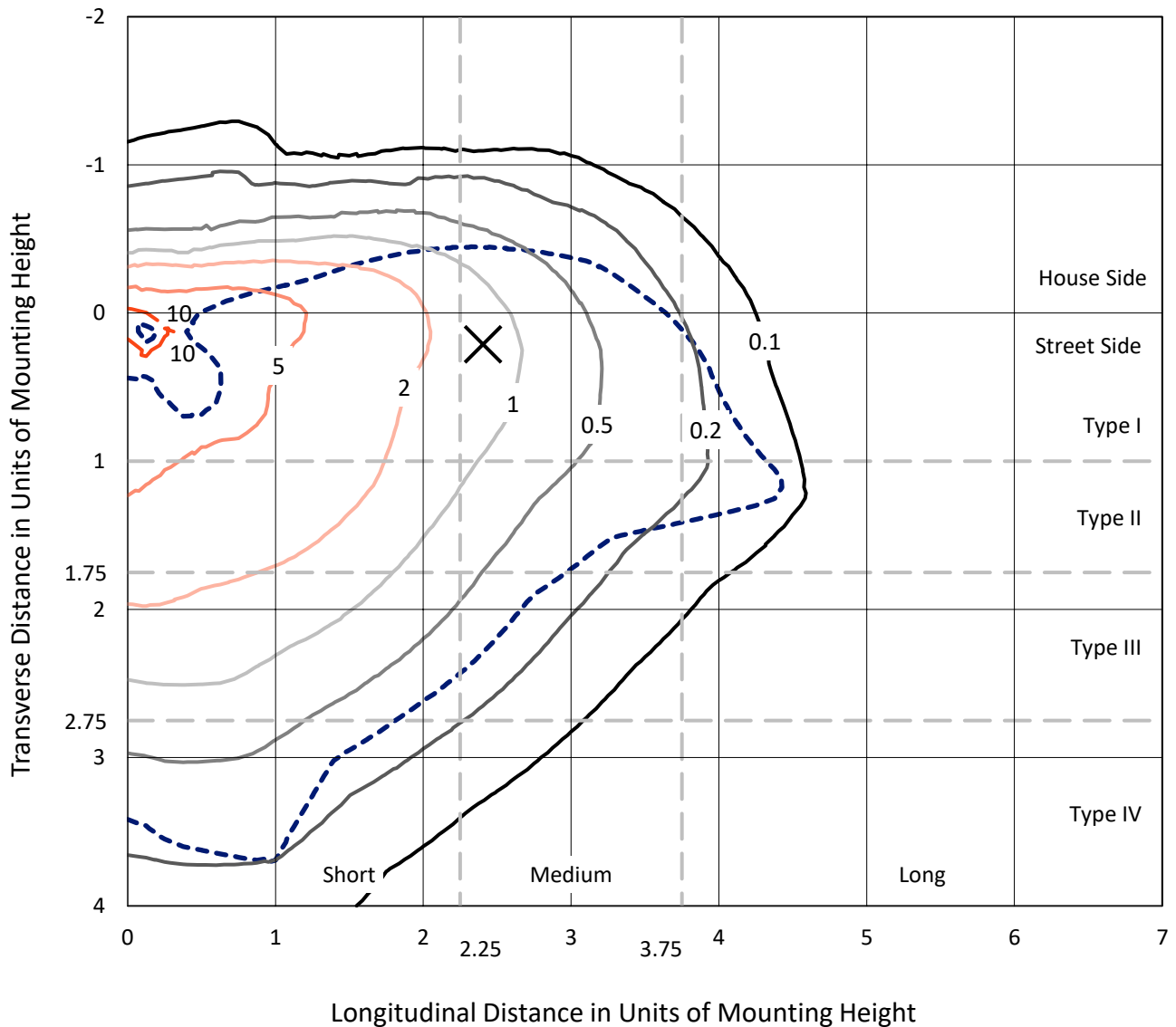
Lumens per Lamp: N/A
Luminaire Lumens: 6710.2 lumens
Efficiency: N/A
Efficacy: 108.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

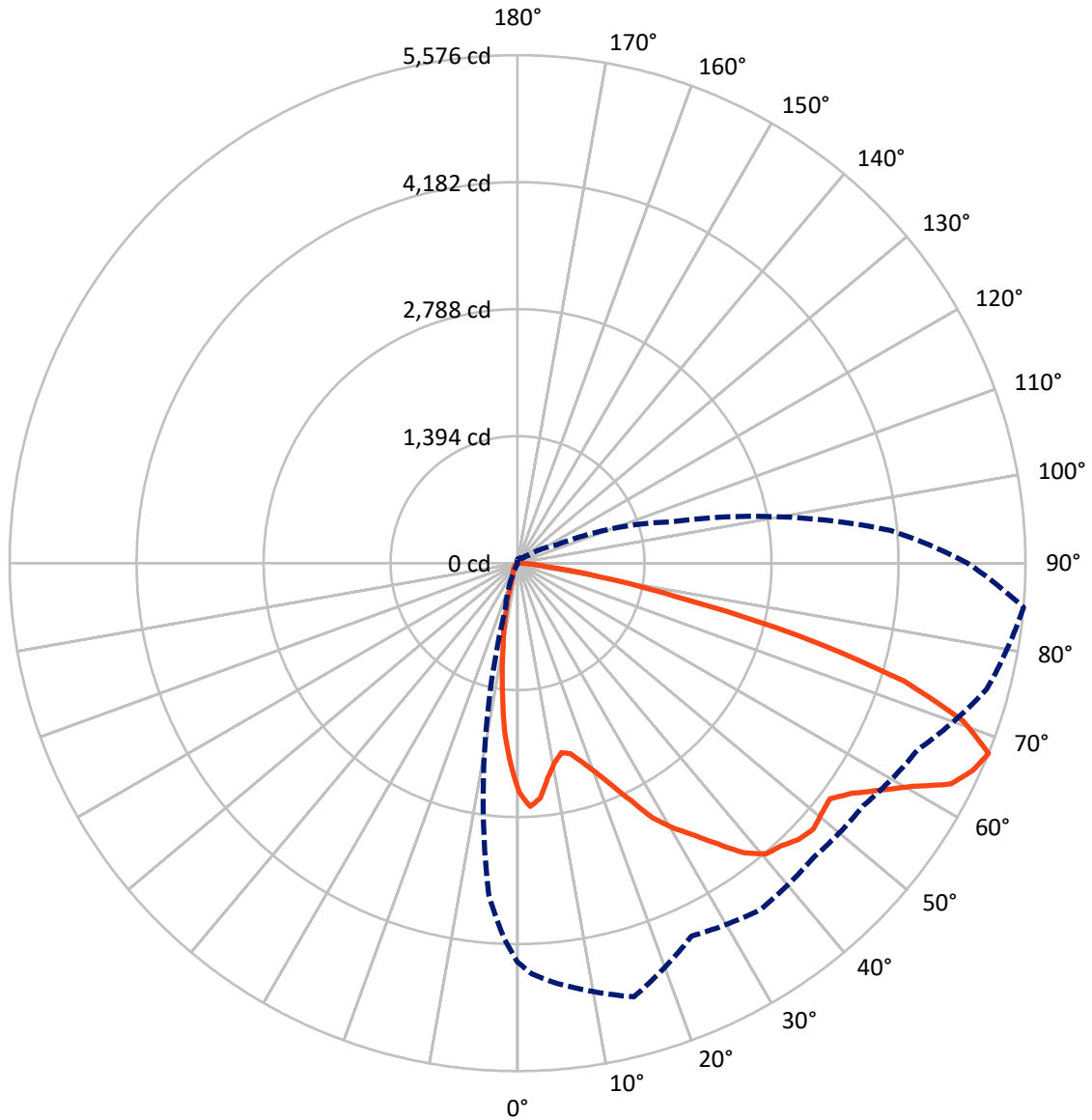
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1165.1	0.0	1165.1
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	5545.1	0.0	5545.1
	% Fixture	82.6	0.0	82.6
Total	Lumens	6710.2	0.0	6710.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	2.9
10°-20°	375.9	5.6
20°-30°	520.1	7.8
30°-40°	735.1	11.0
40°-50°	1000.8	14.9
50°-60°	1325.5	19.8
60°-70°	1539.0	22.9
70°-80°	871.6	13.0
80°-90°	150.6	2.2
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°	6710.2	100.0
0°-180°	6710.2	100.0

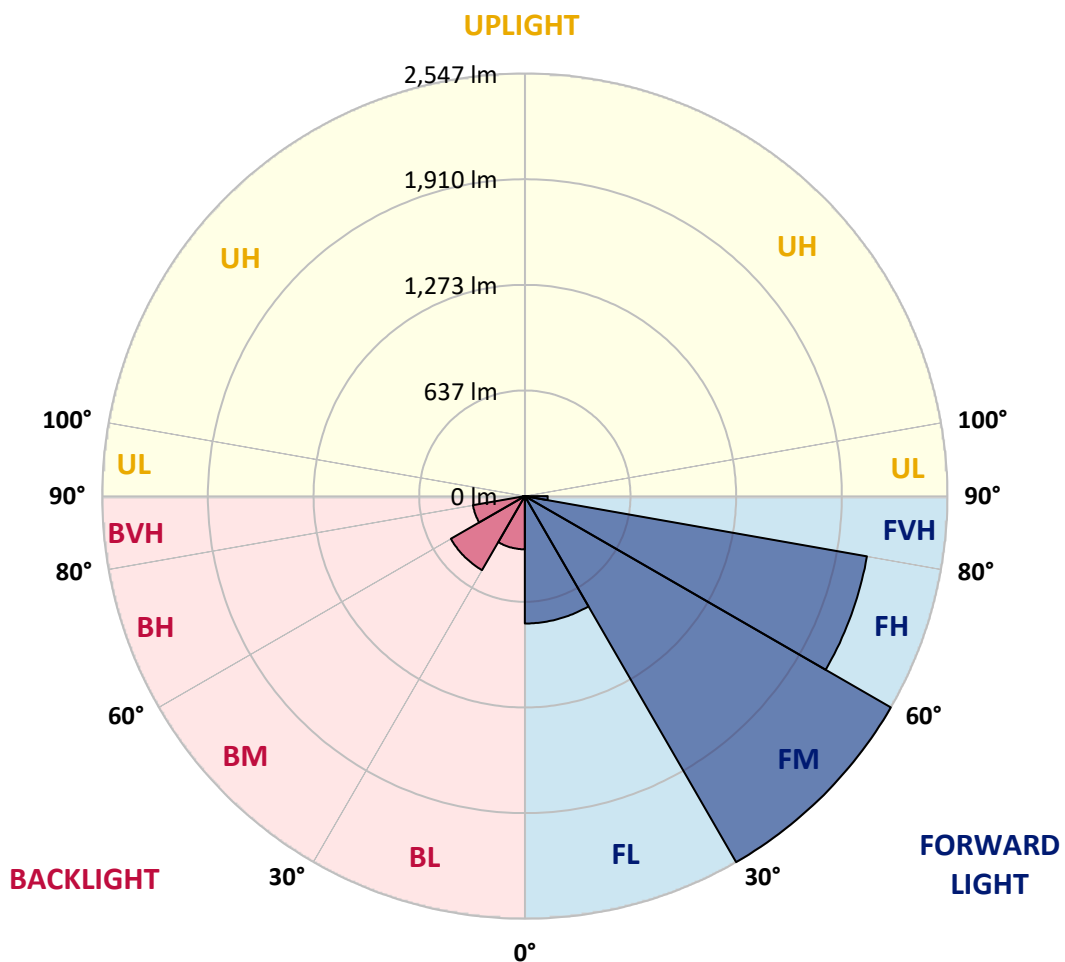


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	767.3	11.4			
FM (30°-60°)	2546.6	38.0			
FH (60°-80°)	2093.3	31.2			G2/5000
FVH (80°-90°)	137.9	2.1			G2/225
BL (0°-30°)	320.3	4.8	B1/500		
BM (30°-60°)	514.8	7.7	B1/1000		
BH (60°-80°)	317.3	4.7	B1/500		G1/500
BVH (80°-90°)	12.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2621.5	2677.1	2678.9	2704.0	2729.1	2729.1	2788.2	2773.9	2721.9	2712.9	2675.3
5°	2641.3	2661.0	2675.3	2802.5	2910.0	2899.3	2931.5	2910.0	2809.7	2680.7	2592.9
7.5°	2471.0	2492.5	2549.9	2766.7	2911.8	2960.2	3021.1	2886.7	2781.0	2548.1	2379.6
10°	2245.2	2286.5	2392.2	2639.5	2818.7	2972.8	2972.8	2865.2	2661.0	2433.4	2227.3
12.5°	2119.8	2202.2	2259.6	2510.4	2743.4	2849.1	2845.5	2788.2	2655.6	2368.9	2135.9
15°	2141.3	2164.6	2286.5	2481.8	2635.9	2630.5	2695.0	2677.1	2583.9	2426.2	2170.0
17.5°	2239.9	2275.7	2381.4	2481.8	2555.2	2533.7	2532.0	2618.0	2623.3	2523.0	2297.2
20°	2401.1	2506.9	2557.0	2587.5	2497.9	2406.5	2395.8	2515.8	2609.0	2646.6	2449.5
22.5°	2659.2	2729.1	2831.2	2675.3	2442.4	2327.7	2306.2	2438.8	2626.9	2793.6	2646.6
25°	2911.8	2965.6	3064.1	2863.5	2505.1	2311.5	2273.9	2388.6	2695.0	2997.8	2885.0
27.5°	3178.8	3225.4	3236.2	3001.4	2539.1	2279.3	2234.5	2388.6	2752.4	3105.4	3169.9
30°	3341.9	3397.4	3408.2	3123.3	2594.7	2306.2	2284.7	2399.4	2791.8	3196.7	3374.1
32.5°	3524.7	3539.0	3530.0	3144.8	2655.6	2385.0	2295.4	2471.0	2836.6	3306.0	3560.5
35°	3743.3	3768.4	3677.0	3243.3	2791.8	2435.2	2402.9	2558.8	2913.6	3356.2	3786.3
37.5°	3909.9	3988.8	3782.7	3281.0	2818.7	2540.9	2546.3	2741.6	2967.4	3417.1	4035.4
40°	4223.5	4090.9	3961.9	3410.0	2920.8	2720.1	2691.4	2929.8	3148.4	3456.6	4198.4
42.5°	4395.5	4325.6	4031.8	3422.5	3078.5	2967.4	2974.5	3143.0	3243.3	3567.7	4243.2
45°	4438.5	4365.1	4126.7	3431.5	3234.4	3259.5	3383.1	3415.4	3383.1	3641.1	4327.4
47.5°	4547.8	4388.4	4116.0	3551.5	3487.0	3583.8	3741.5	3811.4	3573.0	3614.3	4366.9
50°	4526.3	4434.9	4092.7	3601.7	3795.2	4051.5	4157.2	4128.5	3784.5	3558.7	4323.8
52.5°	4436.7	4338.2	4164.4	3737.9	4083.7	4393.7	4540.7	4469.0	3972.6	3684.1	4295.2
55°	4567.5	4492.3	4257.5	3922.5	4300.6	4694.8	4798.7	4744.9	4203.8	3800.6	4458.2
57.5°	4709.1	4693.0	4510.2	4139.3	4556.8	5004.8	5004.8	4938.5	4404.5	3969.1	4700.1
60°	4913.4	4949.2	4696.6	4282.6	4644.6	4986.8	5246.7	5169.6	4607.0	4264.7	4974.3
62.5°	4847.1	4961.8	4936.7	4590.8	4744.9	5074.7	5216.2	5273.6	4857.8	4624.9	5339.9
65°	4633.8	4755.7	4934.9	4793.3	4669.7	4861.4	4933.1	5106.9	4983.3	4963.6	5490.4
67.5°	4379.4	4512.0	4623.1	4929.5	4517.4	4644.6	4581.9	4637.4	4847.1	5334.5	5576.4
70°	3823.9	3951.1	4126.7	4626.7	4114.2	3999.5	3983.4	3956.5	4282.6	5201.9	5185.7
72.5°	3144.8	3203.9	3494.2	3761.2	3044.4	3022.9	3048.0	3017.6	3395.6	4709.1	4442.1
75°	2354.6	2413.7	2578.5	2888.5	2073.2	1949.6	2092.9	2234.5	2592.9	3655.5	3191.4
77.5°	1770.4	1845.7	1949.6	2161.0	1521.3	1327.8	1347.5	1481.9	1874.3	2928.0	1788.3
80°	1148.6	1139.6	1340.3	1487.3	1145.0	1180.9	1130.7	1229.2	1358.3	1566.1	913.9
82.5°	663.0	672.0	756.2	852.9	797.4	912.1	657.6	1098.4	969.4	637.9	340.5
85°	372.7	388.8	465.9	591.3	499.9	335.1	274.2	544.7	609.2	261.6	164.9
87.5°	37.6	32.3	62.7	224.0	136.2	55.5	82.4	130.8	146.9	98.6	48.4
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°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2621.5	2621.5	2576.7	2501.5	2471.0	2417.3	2343.8	2367.1	2342.0	2250.6	2227.3
5°	2514.0	2428.0	2334.8	2220.2	2153.9	2017.7	1974.7	1897.6	1910.2	1833.1	1836.7
7.5°	2290.0	2222.0	2064.3	1913.7	1782.9	1664.7	1498.0	1435.3	1374.4	1343.9	1379.8
10°	2159.2	2032.0	1817.0	1619.9	1446.1	1340.3	1229.2	1143.2	1064.4	1005.3	992.7
12.5°	2064.3	1951.4	1691.6	1451.4	1315.3	1229.2	1127.1	1008.8	931.8	829.6	799.2
15°	2035.6	1897.6	1623.5	1385.1	1252.5	1111.0	994.5	878.0	777.7	670.2	632.5
17.5°	2134.1	1974.7	1621.7	1331.4	1145.0	992.7	831.4	700.6	598.5	499.9	476.6
20°	2300.8	2057.1	1673.6	1299.1	1042.9	838.6	655.8	525.0	410.3	345.8	329.7
22.5°	2490.7	2196.9	1679.0	1213.1	940.7	684.5	478.4	345.8	281.3	250.9	241.9
25°	2723.7	2420.9	1743.5	1143.2	820.7	519.7	340.5	265.2	227.6	209.7	206.1
27.5°	2915.4	2576.7	1813.4	1069.8	702.4	385.3	267.0	216.8	197.1	179.2	177.4
30°	3114.3	2755.9	1833.1	1025.0	600.3	317.2	229.4	191.7	170.2	161.3	159.5
32.5°	3288.1	2951.3	1895.8	951.5	503.5	279.5	207.9	172.0	157.7	143.4	141.6
35°	3512.1	3064.1	1926.3	912.1	467.7	252.7	189.9	157.7	136.2	127.2	123.6
37.5°	3752.2	3173.4	1946.0	881.6	437.2	236.5	179.2	148.7	129.0	116.5	112.9
40°	3976.2	3327.6	1917.3	844.0	413.9	216.8	172.0	138.0	120.1	107.5	102.1
42.5°	4148.2	3478.1	1908.4	808.1	388.8	209.7	163.1	132.6	112.9	98.6	96.8
45°	4245.0	3580.2	1845.7	779.5	369.1	213.2	159.5	125.4	107.5	95.0	87.8
47.5°	4221.7	3659.1	1861.8	770.5	342.3	198.9	157.7	120.1	98.6	87.8	82.4
50°	4350.7	3818.5	1834.9	741.8	322.5	179.2	172.0	120.1	96.8	84.2	78.8
52.5°	4372.2	3963.7	1892.2	689.9	292.1	164.9	170.2	118.3	93.2	80.6	73.5
55°	4551.4	4132.1	2003.3	661.2	267.0	143.4	155.9	114.7	84.2	73.5	69.9
57.5°	4795.1	4481.5	2075.0	634.3	232.9	125.4	130.8	112.9	77.1	68.1	62.7
60°	5029.9	4621.3	2080.4	586.0	200.7	112.9	102.1	112.9	71.7	60.9	55.5
62.5°	5205.5	4621.3	2044.6	544.7	175.6	100.3	89.6	107.5	64.5	53.8	50.2
65°	5110.5	4497.7	1951.4	510.7	159.5	87.8	77.1	82.4	57.3	46.6	43.0
67.5°	4940.3	4112.4	1745.3	469.5	157.7	77.1	66.3	60.9	50.2	41.2	37.6
70°	4667.9	3592.8	1453.2	422.9	154.1	69.9	59.1	52.0	44.8	35.8	32.3
72.5°	3761.2	2967.4	1193.4	396.0	150.5	60.9	50.2	44.8	37.6	30.5	26.9
75°	2605.4	1895.8	919.2	338.7	146.9	55.5	46.6	39.4	32.3	25.1	23.3
77.5°	1562.5	1266.9	593.1	254.4	96.8	44.8	39.4	30.5	26.9	21.5	19.7
80°	731.1	598.5	240.1	98.6	46.6	32.3	26.9	23.3	21.5	17.9	16.1
82.5°	286.7	252.7	116.5	57.3	37.6	25.1	21.5	19.7	17.9	14.3	12.5
85°	154.1	136.2	55.5	39.4	26.9	17.9	17.9	16.1	14.3	12.5	10.8
87.5°	34.0	25.1	23.3	23.3	19.7	14.3	14.3	12.5	10.8	9.0	7.2
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2214.8	2241.7	2198.7	2225.5	2187.9	2216.6	2220.2	2193.3	2200.4	2236.3	2252.4
5°	1886.9	1868.9	1829.5	1817.0	1818.8	1795.5	1804.4	1817.0	1836.7	1847.4	1879.7
7.5°	1360.0	1401.3	1399.5	1429.9	1431.7	1428.1	1403.1	1349.3	1367.2	1352.9	1370.8
10°	973.0	990.9	1025.0	1044.7	1080.5	1060.8	1003.5	982.0	971.2	969.4	987.3
12.5°	777.7	734.7	731.1	738.3	756.2	732.9	704.2	679.1	691.7	716.8	736.5
15°	602.1	566.2	519.7	512.5	516.1	505.3	474.9	442.6	451.6	476.6	491.0
17.5°	462.3	421.1	388.8	367.3	360.2	322.5	277.7	250.9	243.7	241.9	254.4
20°	311.8	304.6	299.2	272.4	272.4	218.6	181.0	161.3	161.3	164.9	166.6
22.5°	232.9	224.0	225.8	220.4	206.1	163.1	143.4	138.0	138.0	141.6	141.6
25°	202.5	189.9	186.4	184.6	170.2	139.8	125.4	120.1	120.1	123.6	123.6
27.5°	172.0	168.4	163.1	155.9	143.4	120.1	111.1	105.7	107.5	109.3	107.5
30°	157.7	148.7	141.6	141.6	127.2	107.5	100.3	96.8	93.2	96.8	98.6
32.5°	139.8	134.4	130.8	125.4	109.3	95.0	87.8	84.2	82.4	82.4	84.2
35°	120.1	120.1	116.5	109.3	95.0	86.0	77.1	73.5	71.7	73.5	73.5
37.5°	107.5	102.1	103.9	96.8	84.2	75.3	66.3	62.7	62.7	60.9	62.7
40°	100.3	91.4	86.0	82.4	75.3	64.5	57.3	53.8	52.0	52.0	52.0
42.5°	89.6	82.4	71.7	69.9	68.1	55.5	46.6	44.8	43.0	41.2	41.2
45°	84.2	73.5	64.5	55.5	55.5	46.6	39.4	35.8	34.0	32.3	34.0
47.5°	77.1	66.3	55.5	46.6	44.8	37.6	30.5	26.9	25.1	25.1	25.1
50°	73.5	59.1	48.4	39.4	34.0	30.5	23.3	19.7	17.9	17.9	17.9
52.5°	68.1	55.5	43.0	34.0	26.9	23.3	17.9	14.3	12.5	12.5	12.5
55°	60.9	50.2	37.6	28.7	23.3	17.9	12.5	9.0	7.2	7.2	7.2
57.5°	57.3	44.8	32.3	25.1	17.9	12.5	7.2	5.4	5.4	3.6	5.4
60°	52.0	39.4	26.9	19.7	14.3	9.0	5.4	1.8	1.8	1.8	1.8
62.5°	44.8	34.0	23.3	16.1	10.8	5.4	1.8	0.0	0.0	0.0	0.0
65°	37.6	26.9	17.9	12.5	7.2	1.8	0.0	0.0	0.0	0.0	0.0
67.5°	32.3	23.3	14.3	9.0	5.4	0.0	0.0	0.0	0.0	0.0	0.0
70°	28.7	19.7	10.8	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	23.3	16.1	9.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	19.7	12.5	5.4	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	16.1	9.0	3.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.5	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.8	5.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.2	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.4	1.8	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):

	285°	295°	305°	315°	325°	335°	345°	355°	358°	360°
0°	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0	2523.0
2.5°	2275.7	2265.0	2318.7	2406.5	2451.3	2539.1	2560.6	2616.2	2601.8	2621.5
5°	1883.3	1904.8	1983.6	2112.6	2159.2	2286.5	2406.5	2526.6	2603.6	2641.3
7.5°	1397.7	1469.4	1566.1	1684.4	1804.4	1971.1	2175.4	2315.1	2390.4	2471.0
10°	1041.1	1118.1	1229.2	1345.7	1541.0	1727.4	1931.7	2105.5	2170.0	2245.2
12.5°	818.9	939.0	1068.0	1193.4	1309.9	1487.3	1739.9	1992.6	2062.5	2119.8
15°	569.8	716.8	901.3	1064.4	1227.4	1381.6	1643.2	1949.6	2044.6	2141.3
17.5°	315.4	431.8	643.3	872.7	1112.8	1349.3	1675.4	2028.4	2171.8	2239.9
20°	182.8	229.4	379.9	652.3	969.4	1279.4	1691.6	2177.2	2367.1	2401.1
22.5°	150.5	166.6	215.0	408.6	793.8	1234.6	1774.0	2385.0	2578.5	2659.2
25°	129.0	141.6	166.6	245.5	600.3	1139.6	1825.9	2644.8	2824.0	2911.8
27.5°	114.7	127.2	146.9	181.0	408.6	1008.8	1912.0	2879.6	3058.8	3178.8
30°	100.3	111.1	130.8	154.1	283.1	861.9	1985.4	3051.6	3304.3	3341.9
32.5°	89.6	98.6	112.9	132.6	209.7	654.0	2044.6	3229.0	3442.2	3524.7
35°	77.1	87.8	96.8	112.9	159.5	492.8	2008.7	3367.0	3644.7	3743.3
37.5°	68.1	75.3	84.2	95.0	134.4	385.3	1935.2	3531.8	3818.5	3909.9
40°	57.3	62.7	73.5	84.2	121.8	297.5	1851.0	3730.7	4062.2	4223.5
42.5°	48.4	53.8	60.9	78.8	100.3	220.4	1680.8	3884.8	4259.3	4395.5
45°	37.6	44.8	55.5	78.8	80.6	163.1	1505.2	3999.5	4370.4	4438.5
47.5°	28.7	35.8	53.8	68.1	64.5	112.9	1297.3	4130.3	4485.1	4547.8
50°	21.5	28.7	60.9	59.1	53.8	86.0	1166.5	4221.7	4492.3	4526.3
52.5°	14.3	21.5	50.2	44.8	44.8	75.3	1130.7	4218.1	4510.2	4436.7
55°	10.8	16.1	28.7	32.3	39.4	66.3	1098.4	4352.5	4515.6	4567.5
57.5°	7.2	12.5	19.7	25.1	34.0	57.3	1032.1	4513.8	4682.2	4709.1
60°	3.6	9.0	14.3	19.7	28.7	50.2	939.0	4632.1	4884.7	4913.4
62.5°	1.8	5.4	10.8	16.1	23.3	39.4	842.2	4443.9	4796.9	4847.1
65°	0.0	3.6	7.2	10.8	14.3	28.7	684.5	4012.1	4449.3	4633.8
67.5°	0.0	0.0	3.6	7.2	9.0	21.5	516.1	3650.1	4128.5	4379.4
70°	0.0	0.0	1.8	1.8	5.4	16.1	329.7	3022.9	3685.9	3823.9
72.5°	0.0	0.0	0.0	0.0	1.8	10.8	191.7	2245.2	2888.5	3144.8
75°	0.0	0.0	0.0	0.0	0.0	9.0	96.8	1444.3	2010.5	2354.6
77.5°	0.0	0.0	0.0	0.0	0.0	7.2	52.0	931.8	1481.9	1770.4
80°	0.0	0.0	0.0	0.0	0.0	1.8	30.5	541.2	947.9	1148.6
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.5	265.2	566.2	663.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.6	141.6	283.1	372.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.4	19.7	37.6
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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