

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: P674256

Luminaire Tested: **CCP-SA-2C-730-U-SLR-HSS**

Issue Date: 04/16/2023



Test Information

Test Method: LM-79-08
Report Number: P674256
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-730-U-SLR-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ SLR distribution lens and House Side Shield
Light Source: (32) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

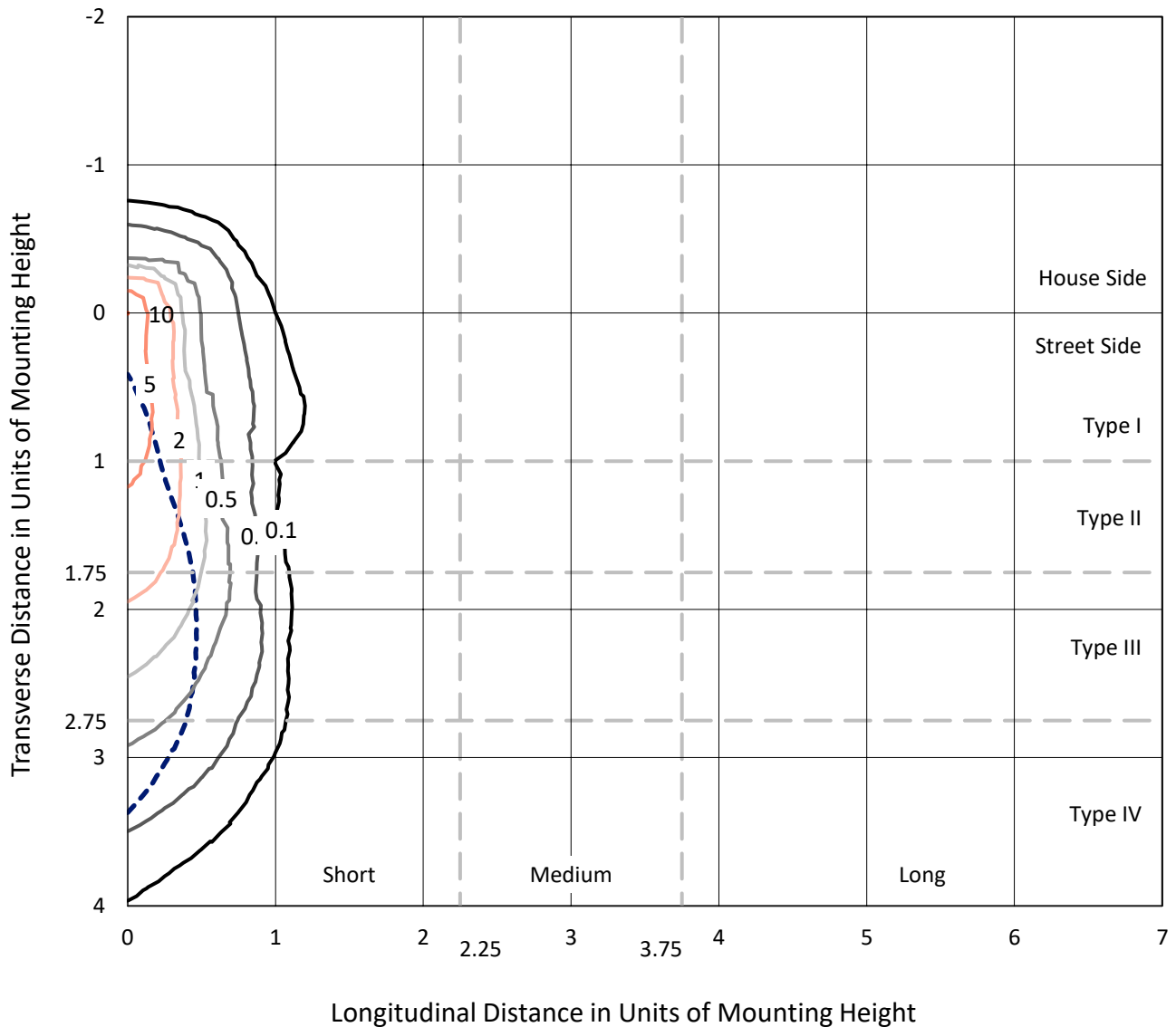
Lumens per Lamp: N/A
Luminaire Lumens: 5916.7 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 62.1
Input Voltage (V): 120
Input Current (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

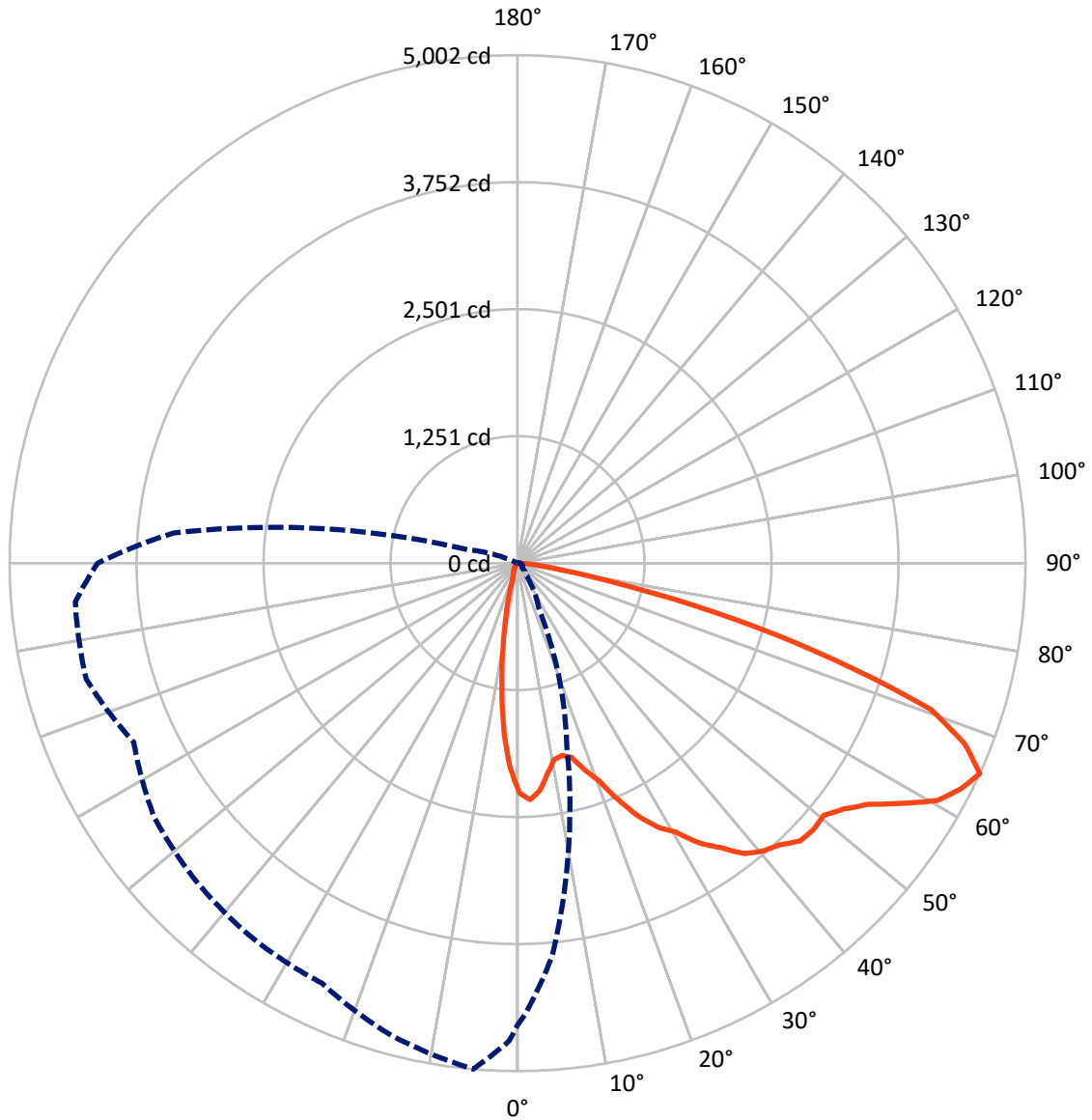
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 10.1 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	768.2	0.0	768.2
	% Fixture	13.0	0.0	13.0
Street Side	Lumens	5148.4	0.0	5148.4
	% Fixture	87.0	0.0	87.0
Total	Lumens	5916.7	0.0	5916.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.3	2.9
10°-20°	331.8	5.6
20°-30°	462.1	7.8
30°-40°	656.6	11.1
40°-50°	910.5	15.4
50°-60°	1240.6	21.0
60°-70°	1363.9	23.1
70°-80°	670.4	11.3
80°-90°	109.5	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°	5916.7	100.0
0°-180°	5916.7	100.0



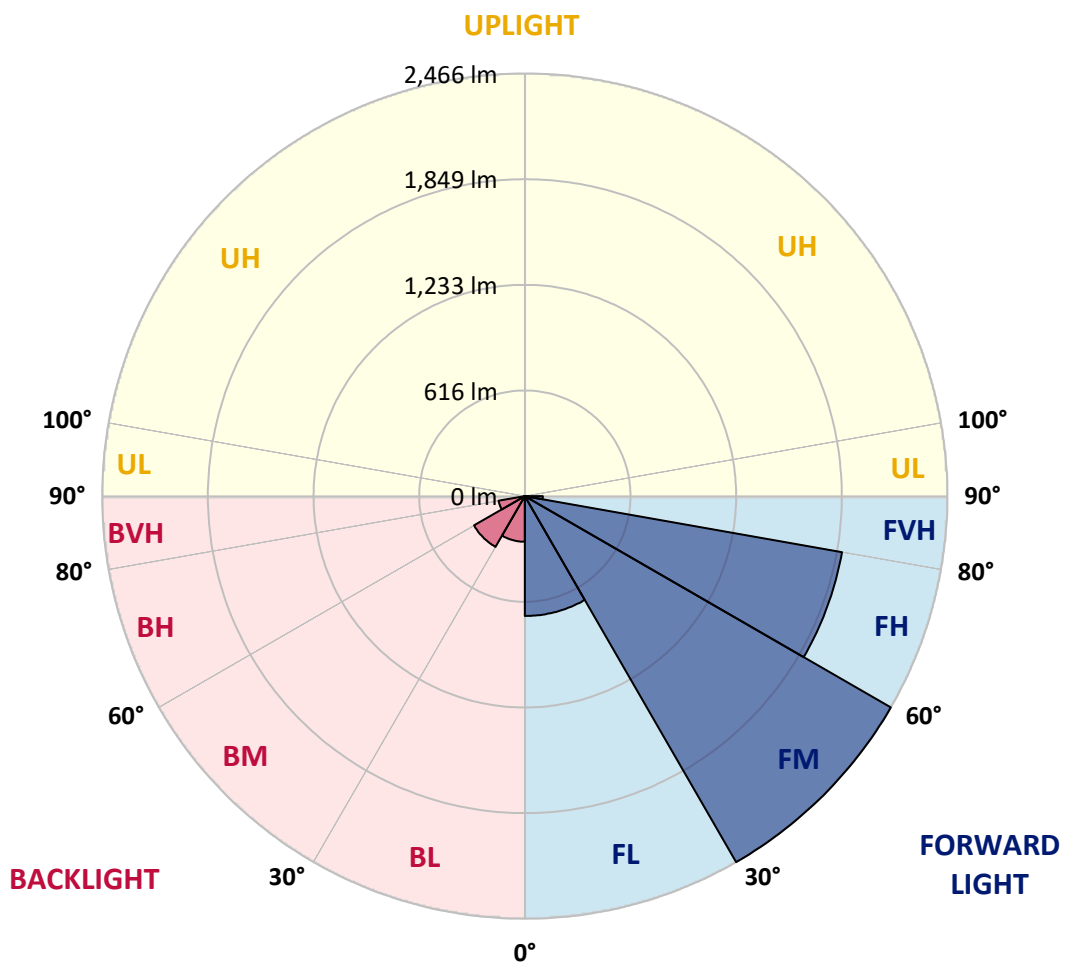
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	699.2	11.8			
FM (30°-60°)	2465.6	41.7			
FH (60°-80°)	1879.0	31.8			G2/5000
FVH (80°-90°)	104.5	1.8			G2/225
BL (0°-30°)	266.0	4.5	B1/500		
BM (30°-60°)	342.0	5.8	B1/1000		
BH (60°-80°)	155.3	2.6	B1/500		G1/500
BVH (80°-90°)	4.9	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9
2.5°	2308.2	2335.3	2309.8	2220.5	2204.5	2161.4	2096.0	2091.2	2022.7	2030.6	1993.9
5°	2169.4	2196.5	2142.3	2024.3	1914.2	1826.5	1773.8	1679.7	1659.0	1612.7	1612.7
7.5°	2027.4	2025.8	1933.3	1834.4	1670.1	1509.0	1435.6	1300.1	1220.3	1177.2	1135.8
10°	1909.4	1883.9	1826.5	1622.3	1443.6	1276.1	1185.2	1095.9	1012.9	941.1	869.4
12.5°	1826.5	1842.4	1751.5	1529.8	1298.5	1182.0	1084.7	990.6	891.7	810.3	730.6
15°	1869.5	1844.0	1737.1	1509.0	1274.5	1115.0	985.8	871.0	760.9	654.0	593.4
17.5°	2003.5	1938.1	1812.1	1509.0	1225.1	1012.9	856.6	721.0	603.0	507.3	432.3
20°	2183.8	2108.8	1973.2	1564.8	1188.4	938.0	724.2	553.5	430.7	341.4	283.9
22.5°	2368.8	2309.8	2105.6	1587.2	1145.3	837.5	571.1	400.4	287.1	229.7	201.0
25°	2590.5	2507.6	2284.3	1676.5	1081.5	740.2	449.8	279.2	213.8	183.4	165.9
27.5°	2767.6	2753.2	2451.8	1730.7	1033.7	660.4	355.7	221.7	177.1	154.7	143.6
30°	2990.9	2912.8	2655.9	1839.2	979.4	569.5	296.7	199.4	162.7	138.8	130.8
32.5°	3124.9	3088.2	2762.8	1899.8	918.8	494.5	255.2	175.5	148.3	130.8	122.8
35°	3319.5	3246.1	2915.9	1938.1	886.9	451.4	229.7	159.5	124.4	106.9	97.3
37.5°	3536.5	3509.3	3099.4	1936.5	840.6	425.9	212.2	148.3	118.0	98.9	87.7
40°	3758.2	3648.1	3211.0	1981.2	816.7	406.8	199.4	142.0	111.7	94.1	79.8
42.5°	3924.1	3798.1	3340.3	1965.2	788.0	373.3	194.6	132.4	106.9	86.1	73.4
45°	3968.7	3924.1	3456.7	1960.4	767.3	346.1	186.6	130.8	103.7	81.4	68.6
47.5°	4054.9	4024.6	3600.3	1968.4	751.3	325.4	167.5	134.0	98.9	76.6	65.4
50°	4093.2	4038.9	3716.7	1987.6	714.6	299.9	149.9	140.4	97.3	75.0	62.2
52.5°	4251.1	4203.2	3876.2	2041.8	684.3	266.4	132.4	134.0	100.5	70.2	59.0
55°	4405.8	4351.6	4121.9	2166.2	641.3	239.3	113.3	118.0	95.7	63.8	52.6
57.5°	4618.0	4528.6	4286.2	2217.3	603.0	202.6	100.5	97.3	89.3	57.4	46.3
60°	4649.9	4686.6	4262.3	2185.4	563.1	178.7	87.7	75.0	95.7	51.0	39.9
62.5°	4756.8	4603.6	4150.6	2112.0	534.4	164.3	78.2	62.2	82.9	44.7	33.5
65°	4551.0	4437.7	3889.0	1875.9	497.7	165.9	68.6	51.0	52.6	36.7	27.1
67.5°	4249.5	4160.2	3455.1	1619.1	461.0	162.7	60.6	44.7	39.9	31.9	23.9
70°	3729.5	3536.5	2935.1	1314.4	406.8	151.5	51.0	39.9	33.5	25.5	17.5
72.5°	2713.4	2635.2	2105.6	1016.1	365.3	137.2	47.9	33.5	28.7	19.1	14.4
75°	1826.5	1697.2	1328.8	666.8	293.5	119.6	39.9	30.3	22.3	14.4	11.2
77.5°	965.1	912.4	752.9	317.4	162.7	55.8	22.3	17.5	12.8	11.2	6.4
80°	417.9	371.7	325.4	129.2	57.4	25.5	14.4	9.6	8.0	6.4	3.2
82.5°	213.8	204.2	169.1	55.8	33.5	19.1	8.0	6.4	4.8	3.2	1.6
85°	105.3	108.5	89.3	17.5	19.1	11.2	1.6	1.6	0.0	0.0	0.0
87.5°	8.0	8.0	6.4	3.2	4.8	1.6	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°	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9
2.5°	1979.6	2001.9	1963.6	1987.6	1976.4	1981.2	1986.0	1973.2	1976.4	2021.1	2022.7
5°	1585.6	1628.7	1612.7	1635.0	1673.3	1654.2	1671.7	1668.5	1671.7	1678.1	1706.8
7.5°	1131.0	1118.2	1148.5	1207.5	1276.1	1317.6	1296.9	1285.7	1279.3	1263.4	1282.5
10°	853.4	847.0	839.1	856.6	901.3	947.5	973.0	930.0	906.0	875.7	864.6
12.5°	708.2	668.4	646.0	618.9	631.7	673.2	674.8	633.3	595.0	579.0	596.6
15°	558.3	531.2	491.3	453.0	433.9	465.8	438.7	398.8	349.3	343.0	341.4
17.5°	398.8	382.8	354.1	338.2	315.8	307.9	279.2	218.5	183.4	173.9	177.1
20°	271.2	258.4	256.8	242.5	232.9	226.5	180.3	140.4	129.2	130.8	132.4
22.5°	201.0	194.6	186.6	185.0	177.1	169.1	132.4	118.0	110.1	110.1	114.9
25°	164.3	161.1	153.1	149.9	146.8	135.6	111.7	100.5	97.3	94.1	98.9
27.5°	140.4	138.8	134.0	129.2	126.0	114.9	97.3	87.7	84.5	84.5	84.5
30°	126.0	126.0	119.6	110.1	110.1	97.3	82.9	76.6	73.4	73.4	71.8
32.5°	118.0	114.9	106.9	100.5	95.7	82.9	73.4	67.0	62.2	62.2	63.8
35°	95.7	95.7	94.1	89.3	82.9	70.2	62.2	55.8	52.6	51.0	52.6
37.5°	84.5	79.8	73.4	75.0	71.8	60.6	52.6	47.9	43.1	43.1	43.1
40°	76.6	71.8	65.4	60.6	59.0	54.2	46.3	38.3	33.5	31.9	31.9
42.5°	68.6	65.4	55.8	47.9	46.3	46.3	35.1	28.7	23.9	23.9	23.9
45°	63.8	59.0	51.0	41.5	33.5	35.1	28.7	20.7	17.5	16.0	16.0
47.5°	60.6	55.8	44.7	35.1	25.5	25.5	20.7	14.4	11.2	9.6	9.6
50°	55.8	51.0	39.9	28.7	19.1	16.0	12.8	8.0	4.8	3.2	3.2
52.5°	52.6	47.9	35.1	23.9	16.0	11.2	8.0	1.6	0.0	0.0	0.0
55°	47.9	41.5	30.3	19.1	12.8	6.4	1.6	0.0	0.0	0.0	0.0
57.5°	41.5	36.7	23.9	14.4	8.0	1.6	0.0	0.0	0.0	0.0	0.0
60°	35.1	30.3	19.1	11.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	28.7	25.5	14.4	6.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	23.9	19.1	11.2	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	20.7	16.0	8.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	16.0	11.2	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	11.2	8.0	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	8.0	4.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	4.8	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	1.6	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°	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9
2.5°	2029.0	2076.9	2121.6	2134.3	2169.4	2266.7	2266.7	2313.0	2395.9	2426.2	2432.6
5°	1711.6	1762.6	1772.2	1871.1	1917.4	2016.3	2081.7	2238.0	2332.1	2391.1	2427.8
7.5°	1301.6	1319.2	1355.9	1448.4	1539.3	1659.0	1783.4	1982.8	2148.7	2215.7	2340.1
10°	894.9	947.5	1027.3	1110.2	1252.2	1384.6	1545.7	1733.9	1938.1	2021.1	2127.9
12.5°	603.0	676.3	804.0	922.0	1052.8	1186.8	1339.9	1592.0	1823.3	1938.1	2045.0
15°	352.5	441.9	551.9	743.3	917.2	1067.2	1220.3	1475.5	1756.3	1904.6	2035.4
17.5°	178.7	205.8	296.7	462.6	692.3	938.0	1166.1	1491.5	1807.3	1989.2	2097.6
20°	134.0	142.0	167.5	245.7	473.8	775.2	1115.0	1515.4	1949.3	2171.0	2230.0
22.5°	116.4	122.8	134.0	159.5	266.4	593.4	1043.2	1574.4	2142.3	2351.3	2475.7
25°	98.9	105.3	114.9	130.8	170.7	403.6	955.5	1636.6	2314.6	2577.8	2694.2
27.5°	86.1	90.9	100.5	113.3	138.8	256.8	804.0	1719.6	2577.8	2852.1	2882.4
30°	73.4	78.2	86.1	100.5	118.0	181.8	590.2	1730.7	2722.9	2971.8	3056.3
32.5°	63.8	65.4	75.0	87.7	98.9	143.6	414.7	1741.9	2829.8	3126.5	3144.1
35°	52.6	55.8	65.4	73.4	86.1	113.3	314.2	1686.1	2968.6	3286.0	3281.2
37.5°	43.1	47.9	54.2	60.6	70.2	95.7	250.4	1582.4	3142.5	3533.3	3383.3
40°	33.5	38.3	44.7	52.6	59.0	86.1	188.2	1426.1	3324.3	3654.5	3495.0
42.5°	23.9	27.1	33.5	41.5	52.6	71.8	135.6	1241.0	3396.1	3796.5	3629.0
45°	17.5	20.7	25.5	35.1	54.2	57.4	94.1	1071.9	3472.7	3858.7	3598.7
47.5°	9.6	12.8	19.1	30.3	47.9	43.1	67.0	920.4	3560.4	3914.5	3622.6
50°	3.2	4.8	11.2	31.9	38.3	33.5	52.6	839.1	3646.5	3925.7	3670.5
52.5°	0.0	0.0	6.4	33.5	28.7	25.5	46.3	807.1	3624.2	3960.8	3640.1
55°	0.0	0.0	1.6	14.4	16.0	19.1	38.3	805.6	3782.1	3971.9	3806.0
57.5°	0.0	0.0	0.0	4.8	9.6	16.0	33.5	754.5	3882.6	4249.5	4029.4
60°	0.0	0.0	0.0	1.6	6.4	11.2	25.5	709.8	3984.7	4373.9	4268.6
62.5°	0.0	0.0	0.0	0.0	1.6	4.8	17.5	641.3	3778.9	4364.3	4499.9
65°	0.0	0.0	0.0	0.0	0.0	0.0	11.2	507.3	3399.3	4136.2	4372.3
67.5°	0.0	0.0	0.0	0.0	0.0	0.0	6.4	350.9	2976.6	3849.1	4137.8
70°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	212.2	2402.3	3375.3	3509.3
72.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	90.9	1714.8	2679.9	2879.3
75°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	36.7	1060.8	1958.9	2204.5
77.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	14.4	687.5	1483.5	1673.3
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	366.9	930.0	1081.5
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	159.5	564.7	650.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	51.0	343.0	390.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	52.6	70.2
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9	2261.9
2.5°	2435.8	2482.1	2499.6	2472.5	2475.7	2419.9	2411.9	2333.7	2301.8	2308.2
5°	2547.5	2614.5	2651.1	2620.8	2552.2	2445.4	2348.1	2255.5	2198.1	2169.4
7.5°	2521.9	2596.9	2643.2	2671.9	2593.7	2421.4	2273.1	2099.2	2025.8	2027.4
10°	2381.6	2537.9	2632.0	2595.3	2558.6	2386.4	2156.6	1968.4	1903.0	1909.4
12.5°	2268.3	2442.2	2498.0	2526.7	2451.8	2314.6	2159.8	1944.5	1871.1	1826.5
15°	2198.1	2327.3	2330.5	2375.2	2344.9	2344.9	2193.3	1982.8	1919.0	1869.5
17.5°	2198.1	2226.8	2223.6	2239.6	2290.6	2351.3	2277.9	2137.5	2011.5	2003.5
20°	2247.6	2158.2	2137.5	2143.9	2187.0	2367.2	2464.5	2289.0	2209.3	2183.8
22.5°	2362.4	2166.2	2040.2	2017.9	2150.3	2365.6	2584.2	2528.3	2389.5	2368.8
25°	2520.3	2151.9	2014.7	1986.0	2086.5	2423.0	2748.5	2759.6	2633.6	2590.5
27.5°	2670.3	2215.7	2011.5	2005.1	2137.5	2410.3	2861.7	2944.7	2802.7	2767.6
30°	2721.3	2279.5	2070.5	1986.0	2156.6	2456.5	2858.5	3075.5	2982.9	2990.9
32.5°	2782.0	2343.3	2076.9	2043.4	2238.0	2531.5	2949.4	3286.0	3219.0	3124.9
35°	2871.3	2429.4	2137.5	2107.2	2295.4	2598.5	2968.6	3440.7	3429.6	3319.5
37.5°	2947.8	2514.0	2263.5	2268.3	2470.9	2707.0	3053.1	3630.6	3611.4	3536.5
40°	3002.1	2632.0	2459.7	2472.5	2624.0	2828.2	3203.1	3726.3	3868.3	3758.2
42.5°	3010.1	2737.3	2684.6	2786.7	2928.7	3016.4	3263.7	3791.7	3995.9	3924.1
45°	3040.4	2904.8	3051.5	3126.5	3243.0	3182.3	3260.5	3903.3	4005.4	3968.7
47.5°	3158.4	3209.5	3394.5	3622.6	3664.1	3464.7	3337.1	3920.9	4059.7	4054.9
50°	3281.2	3536.5	3796.5	3948.0	4000.6	3659.3	3408.8	3906.5	4131.5	4093.2
52.5°	3418.4	3820.4	4195.3	4381.9	4353.2	3874.6	3490.2	4023.0	4263.8	4251.1
55°	3504.6	3948.0	4452.1	4712.1	4689.8	4115.5	3748.6	4190.5	4437.7	4405.8
57.5°	3732.7	4155.4	4707.3	4828.5	4887.6	4431.3	3928.9	4464.8	4582.9	4618.0
60°	3920.9	4291.0	4774.3	4949.8	4970.5	4619.6	4244.7	4747.2	4767.9	4649.9
62.5°	4196.9	4343.6	4632.3	4790.3	4897.1	4726.4	4528.6	4898.7	4764.7	4756.8
65°	4399.4	4171.3	4367.5	4455.3	4523.9	4563.7	4814.2	5002.4	4705.7	4551.0
67.5°	4286.2	3845.9	3809.2	3814.0	3834.8	4075.6	4718.5	4748.8	4377.1	4249.5
70°	3772.5	3155.2	3105.8	3144.1	3040.4	3330.7	4330.8	4316.5	3861.9	3729.5
72.5°	3051.5	2300.2	2215.7	2268.3	2292.2	2600.1	3643.3	3273.3	2817.0	2713.4
75°	2424.6	1686.1	1422.9	1550.5	1631.8	1893.4	2845.8	2223.6	1966.8	1826.5
77.5°	1904.6	1276.1	1107.0	1056.0	1131.0	1376.6	2070.5	1167.7	1030.5	965.1
80°	1207.5	938.0	1017.7	944.3	976.2	982.6	1078.3	531.2	422.7	417.9
82.5°	727.4	641.3	762.5	419.5	764.1	682.7	448.2	240.9	213.8	213.8
85°	515.2	397.2	263.2	170.7	339.8	374.9	173.9	124.4	108.5	105.3
87.5°	258.4	122.8	59.0	38.3	43.1	70.2	20.7	9.6	9.6	8.0
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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