

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: P677290

Luminaire Tested: **CCW-SA-2C-740-U-SLL-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P677290
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2C-740-U-SLL-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @615mA w/
SLL distribution lens and House Side Shield
Light Source: (32) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

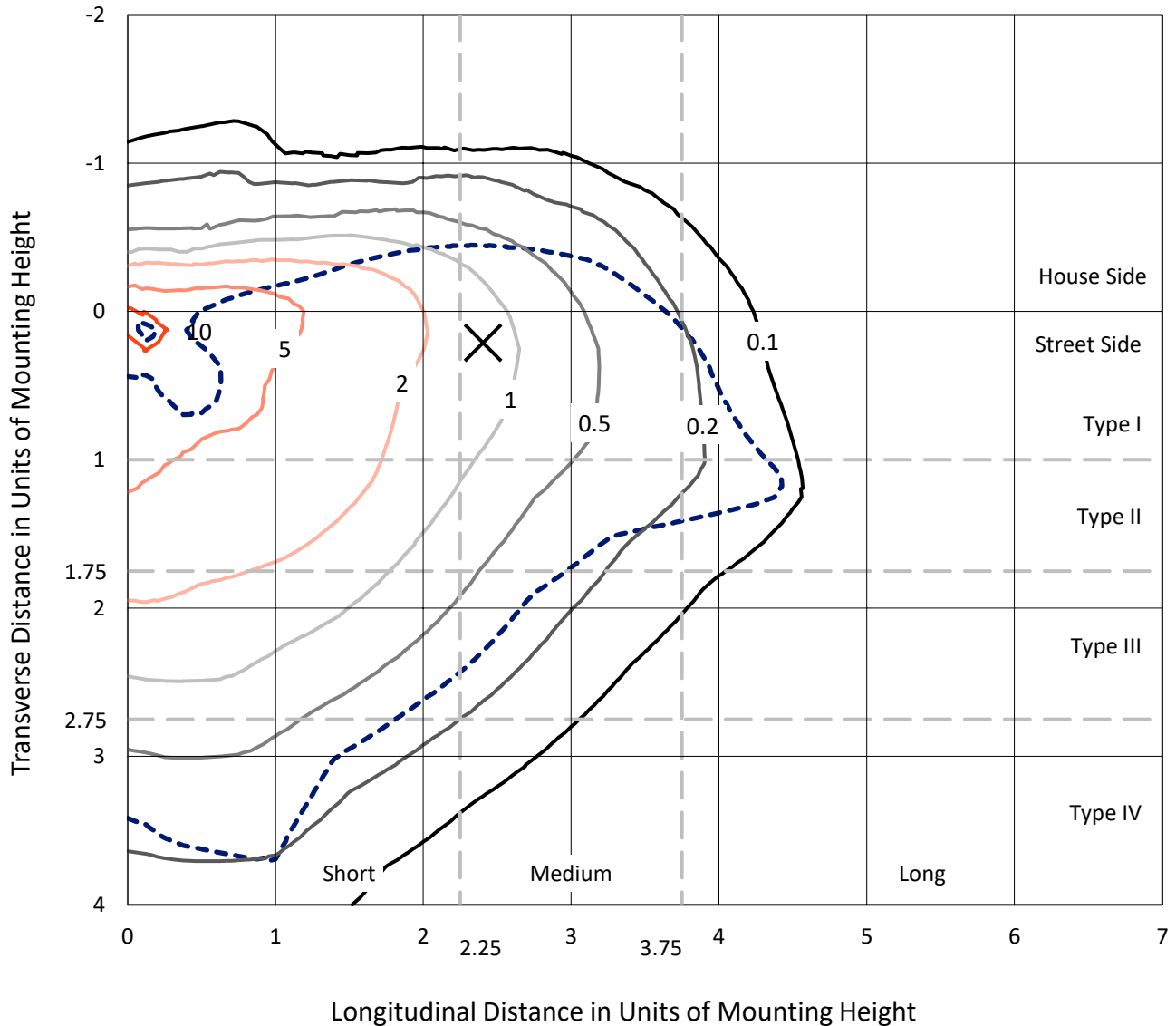
Lumens per Lamp: N/A
Luminaire Lumens: 6560 lumens
Efficiency: N/A
Efficacy: 105.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

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

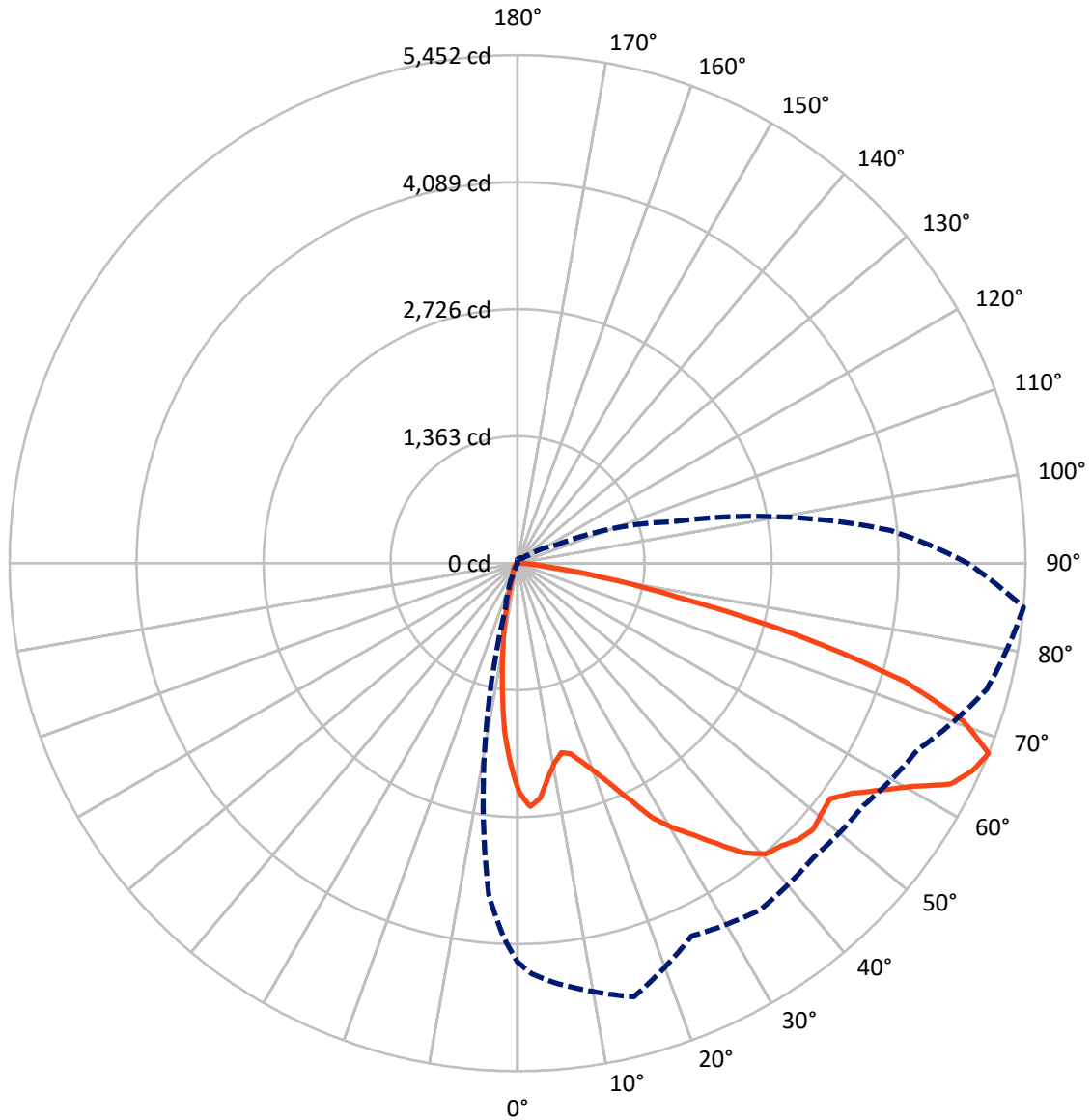
✕ Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 12.3 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	1139.0	0.0	1139.0
	% Fixture	17.4	0.0	17.4
Street Side	Lumens	5421.0	0.0	5421.0
	% Fixture	82.6	0.0	82.6
Total	Lumens	6560.0	0.0	6560.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.4	2.9
10°-20°	367.4	5.6
20°-30°	508.5	7.8
30°-40°	718.6	11.0
40°-50°	978.4	14.9
50°-60°	1295.8	19.8
60°-70°	1504.6	22.9
70°-80°	852.0	13.0
80°-90°	147.2	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°	6560.0	100.0
0°-180°	6560.0	100.0



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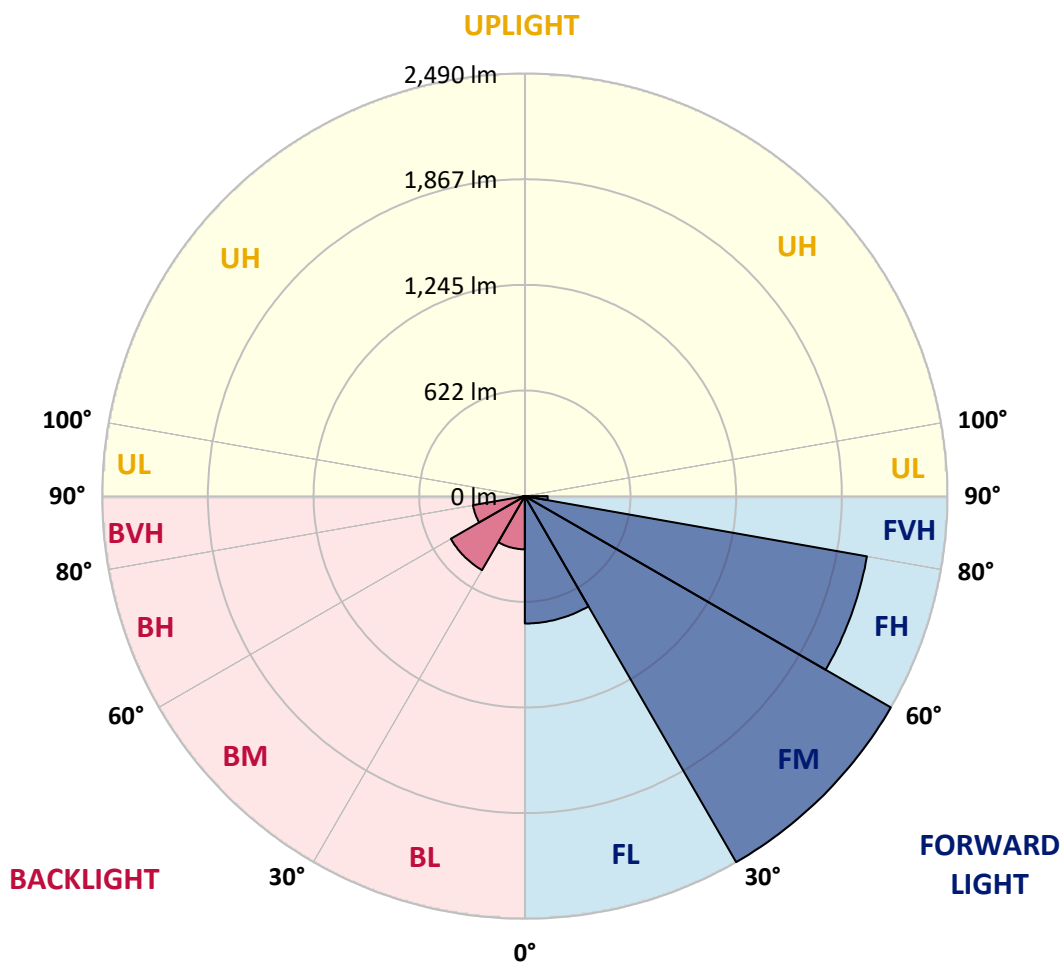
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	750.2	11.4			
FM (30°-60°)	2489.6	38.0			
FH (60°-80°)	2046.4	31.2			G2/5000
FVH (80°-90°)	134.8	2.1			G2/225
BL (0°-30°)	313.1	4.8	B1/500		
BM (30°-60°)	503.3	7.7	B1/1000		
BH (60°-80°)	310.2	4.7	B1/500		G1/500
BVH (80°-90°)	12.4	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°	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5
2.5°	2562.9	2617.2	2618.9	2643.4	2668.0	2668.0	2725.8	2711.8	2661.0	2652.2	2615.4
5°	2582.1	2601.4	2615.4	2739.8	2844.9	2834.4	2865.9	2844.9	2746.8	2620.7	2534.8
7.5°	2415.7	2436.7	2492.8	2704.8	2846.6	2893.9	2953.5	2822.1	2718.8	2491.0	2326.4
10°	2195.0	2235.3	2338.6	2580.4	2755.6	2906.2	2906.2	2801.1	2601.4	2378.9	2177.5
12.5°	2072.4	2152.9	2209.0	2454.2	2682.0	2785.3	2781.8	2725.8	2596.1	2315.9	2088.1
15°	2093.4	2116.2	2235.3	2426.2	2576.9	2571.6	2634.7	2617.2	2526.1	2371.9	2121.4
17.5°	2189.7	2224.8	2328.1	2426.2	2498.0	2477.0	2475.3	2559.4	2564.6	2466.5	2245.8
20°	2347.4	2450.7	2499.8	2529.6	2442.0	2352.6	2342.1	2459.5	2550.6	2587.4	2394.7
22.5°	2599.6	2668.0	2767.8	2615.4	2387.7	2275.6	2254.5	2384.2	2568.1	2731.0	2587.4
25°	2846.6	2899.2	2995.5	2799.3	2449.0	2259.8	2223.0	2335.1	2634.7	2930.7	2820.4
27.5°	3107.7	3153.2	3163.7	2934.2	2482.3	2228.3	2184.5	2335.1	2690.7	3035.8	3098.9
30°	3267.1	3321.4	3331.9	3053.4	2536.6	2254.5	2233.5	2345.6	2729.3	3125.2	3298.6
32.5°	3445.8	3459.8	3451.0	3074.4	2596.1	2331.6	2244.0	2415.7	2773.1	3232.0	3480.8
35°	3659.5	3684.0	3594.7	3170.7	2729.3	2380.7	2349.1	2501.5	2848.4	3281.1	3701.5
37.5°	3822.4	3899.5	3698.0	3207.5	2755.6	2484.0	2489.3	2680.2	2900.9	3340.6	3945.0
40°	4128.9	3999.3	3873.2	3333.6	2855.4	2659.2	2631.2	2864.2	3077.9	3379.2	4104.4
42.5°	4297.1	4228.8	3941.5	3345.9	3009.6	2900.9	2908.0	3072.6	3170.7	3487.8	4148.2
45°	4339.2	4267.3	4034.4	3354.7	3162.0	3186.5	3307.4	3338.9	3307.4	3559.6	4230.6
47.5°	4446.0	4290.1	4023.8	3472.0	3409.0	3503.6	3657.7	3726.0	3493.1	3533.3	4269.1
50°	4425.0	4335.7	4001.1	3521.1	3710.3	3960.8	4064.1	4036.1	3699.8	3479.0	4227.0
52.5°	4337.4	4241.1	4071.1	3654.2	3992.3	4295.4	4439.0	4368.9	3883.7	3601.7	4199.0
55°	4465.3	4391.7	4162.2	3834.6	4204.3	4589.7	4691.3	4638.7	4109.7	3715.5	4358.4
57.5°	4603.7	4587.9	4409.2	4046.6	4454.8	4892.7	4892.7	4827.9	4305.9	3880.2	4594.9
60°	4803.4	4838.4	4591.4	4186.8	4540.6	4875.2	5129.2	5053.9	4503.8	4169.2	4862.9
62.5°	4738.6	4850.7	4826.2	4488.1	4638.7	4961.0	5099.4	5155.5	4749.1	4521.3	5220.3
65°	4530.1	4649.2	4824.4	4686.0	4565.1	4752.6	4822.7	4992.6	4871.7	4852.4	5367.5
67.5°	4281.4	4411.0	4519.6	4819.2	4416.2	4540.6	4479.3	4533.6	4738.6	5215.1	5451.5
70°	3738.3	3862.7	4034.4	4523.1	4022.1	3910.0	3894.2	3867.9	4186.8	5085.4	5069.7
72.5°	3074.4	3132.2	3416.0	3677.0	2976.3	2955.3	2979.8	2950.0	3319.6	4603.7	4342.7
75°	2301.8	2359.6	2520.8	2823.9	2026.8	1905.9	2046.1	2184.5	2534.8	3573.6	3119.9
77.5°	1730.8	1804.3	1905.9	2112.6	1487.3	1298.1	1317.3	1448.7	1832.4	2862.4	1748.3
80°	1122.9	1114.1	1310.3	1454.0	1119.4	1154.4	1105.4	1201.7	1327.9	1531.1	893.4
82.5°	648.2	656.9	739.3	833.8	779.5	891.7	642.9	1073.8	947.7	623.6	332.8
85°	364.4	380.1	455.5	578.1	488.7	327.6	268.0	532.5	595.6	255.8	161.2
87.5°	36.8	31.5	61.3	219.0	133.1	54.3	80.6	127.9	143.6	96.3	47.3
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°	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5
2.5°	2562.9	2562.9	2519.1	2445.5	2415.7	2363.2	2291.3	2314.1	2289.6	2200.2	2177.5
5°	2457.7	2373.7	2282.6	2170.5	2105.6	1972.5	1930.5	1855.1	1867.4	1792.1	1795.6
7.5°	2238.8	2172.2	2018.1	1870.9	1743.0	1627.4	1464.5	1403.2	1343.6	1313.8	1348.9
10°	2110.9	1986.5	1776.3	1583.6	1413.7	1310.3	1201.7	1117.6	1040.6	982.7	970.5
12.5°	2018.1	1907.7	1653.7	1418.9	1285.8	1201.7	1101.9	986.3	910.9	811.1	781.3
15°	1990.0	1855.1	1587.1	1354.1	1224.5	1086.1	972.2	858.4	760.3	655.2	618.4
17.5°	2086.4	1930.5	1585.4	1301.6	1119.4	970.5	812.8	684.9	585.1	488.7	466.0
20°	2249.3	2011.0	1636.2	1270.0	1019.5	819.8	641.2	513.3	401.2	338.1	322.3
22.5°	2435.0	2147.7	1641.4	1186.0	919.7	669.2	467.7	338.1	275.0	245.2	236.5
25°	2662.7	2366.7	1704.5	1117.6	802.3	508.0	332.8	259.3	222.5	205.0	201.5
27.5°	2850.1	2519.1	1772.8	1045.8	686.7	376.6	261.0	212.0	192.7	175.2	173.4
30°	3044.6	2694.2	1792.1	1002.0	586.8	310.1	224.2	187.4	166.4	157.7	155.9
32.5°	3214.5	2885.2	1853.4	930.2	492.3	273.3	203.2	168.2	154.2	140.1	138.4
35°	3433.5	2995.5	1883.2	891.7	457.2	247.0	185.7	154.2	133.1	124.4	120.9
37.5°	3668.2	3102.4	1902.4	861.9	427.4	231.2	175.2	145.4	126.1	113.9	110.4
40°	3887.2	3253.1	1874.4	825.1	404.7	212.0	168.2	134.9	117.4	105.1	99.9
42.5°	4055.4	3400.2	1865.6	790.1	380.1	205.0	159.4	129.6	110.4	96.3	94.6
45°	4150.0	3500.1	1804.3	762.0	360.9	208.5	155.9	122.6	105.1	92.8	85.8
47.5°	4127.2	3577.1	1820.1	753.3	334.6	194.4	154.2	117.4	96.3	85.8	80.6
50°	4253.3	3733.0	1793.8	725.2	315.3	175.2	168.2	117.4	94.6	82.3	77.1
52.5°	4274.3	3874.9	1849.9	674.4	285.5	161.2	166.4	115.6	91.1	78.8	71.8
55°	4449.5	4039.6	1958.5	646.4	261.0	140.1	152.4	112.1	82.3	71.8	68.3
57.5°	4687.8	4381.2	2028.6	620.1	227.7	122.6	127.9	110.4	75.3	66.6	61.3
60°	4917.2	4517.8	2033.8	572.8	196.2	110.4	99.9	110.4	70.1	59.6	54.3
62.5°	5088.9	4517.8	1998.8	532.5	171.7	98.1	87.6	105.1	63.1	52.6	49.0
65°	4996.1	4397.0	1907.7	499.3	155.9	85.8	75.3	80.6	56.1	45.5	42.0
67.5°	4829.7	4020.3	1706.2	459.0	154.2	75.3	64.8	59.6	49.0	40.3	36.8
70°	4563.4	3512.3	1420.7	413.4	150.7	68.3	57.8	50.8	43.8	35.0	31.5
72.5°	3677.0	2900.9	1166.7	387.1	147.1	59.6	49.0	43.8	36.8	29.8	26.3
75°	2547.1	1853.4	898.7	331.1	143.6	54.3	45.5	38.5	31.5	24.5	22.8
77.5°	1527.6	1238.5	579.8	248.8	94.6	43.8	38.5	29.8	26.3	21.0	19.3
80°	714.7	585.1	234.7	96.3	45.5	31.5	26.3	22.8	21.0	17.5	15.8
82.5°	280.3	247.0	113.9	56.1	36.8	24.5	21.0	19.3	17.5	14.0	12.3
85°	150.7	133.1	54.3	38.5	26.3	17.5	17.5	15.8	14.0	12.3	10.5
87.5°	33.3	24.5	22.8	22.8	19.3	14.0	14.0	12.3	10.5	8.8	7.0
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°	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5
2.5°	2165.2	2191.5	2149.4	2175.7	2138.9	2167.0	2170.5	2144.2	2151.2	2186.2	2202.0
5°	1844.6	1827.1	1788.6	1776.3	1778.1	1755.3	1764.0	1776.3	1795.6	1806.1	1837.6
7.5°	1329.6	1369.9	1368.1	1397.9	1399.7	1396.2	1371.6	1319.1	1336.6	1322.6	1340.1
10°	951.2	968.7	1002.0	1021.3	1056.3	1037.1	981.0	960.0	949.5	947.7	965.2
12.5°	760.3	718.2	714.7	721.7	739.3	716.5	688.5	663.9	676.2	700.7	720.0
15°	588.6	553.6	508.0	501.0	504.5	494.0	464.2	432.7	441.4	466.0	480.0
17.5°	452.0	411.7	380.1	359.1	352.1	315.3	271.5	245.2	238.2	236.5	248.8
20°	304.8	297.8	292.5	266.3	266.3	213.7	176.9	157.7	157.7	161.2	162.9
22.5°	227.7	219.0	220.7	215.5	201.5	159.4	140.1	134.9	134.9	138.4	138.4
25°	198.0	185.7	182.2	180.4	166.4	136.6	122.6	117.4	117.4	120.9	120.9
27.5°	168.2	164.7	159.4	152.4	140.1	117.4	108.6	103.4	105.1	106.9	105.1
30°	154.2	145.4	138.4	138.4	124.4	105.1	98.1	94.6	91.1	94.6	96.3
32.5°	136.6	131.4	127.9	122.6	106.9	92.8	85.8	82.3	80.6	80.6	82.3
35°	117.4	117.4	113.9	106.9	92.8	84.1	75.3	71.8	70.1	71.8	71.8
37.5°	105.1	99.9	101.6	94.6	82.3	73.6	64.8	61.3	61.3	59.6	61.3
40°	98.1	89.3	84.1	80.6	73.6	63.1	56.1	52.6	50.8	50.8	50.8
42.5°	87.6	80.6	70.1	68.3	66.6	54.3	45.5	43.8	42.0	40.3	40.3
45°	82.3	71.8	63.1	54.3	54.3	45.5	38.5	35.0	33.3	31.5	33.3
47.5°	75.3	64.8	54.3	45.5	43.8	36.8	29.8	26.3	24.5	24.5	24.5
50°	71.8	57.8	47.3	38.5	33.3	29.8	22.8	19.3	17.5	17.5	17.5
52.5°	66.6	54.3	42.0	33.3	26.3	22.8	17.5	14.0	12.3	12.3	12.3
55°	59.6	49.0	36.8	28.0	22.8	17.5	12.3	8.8	7.0	7.0	7.0
57.5°	56.1	43.8	31.5	24.5	17.5	12.3	7.0	5.3	5.3	3.5	5.3
60°	50.8	38.5	26.3	19.3	14.0	8.8	5.3	1.8	1.8	1.8	1.8
62.5°	43.8	33.3	22.8	15.8	10.5	5.3	1.8	0.0	0.0	0.0	0.0
65°	36.8	26.3	17.5	12.3	7.0	1.8	0.0	0.0	0.0	0.0	0.0
67.5°	31.5	22.8	14.0	8.8	5.3	0.0	0.0	0.0	0.0	0.0	0.0
70°	28.0	19.3	10.5	7.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	22.8	15.8	8.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	19.3	12.3	5.3	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	15.8	8.8	3.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	12.3	7.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	10.5	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	7.0	1.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	5.3	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°	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5	2466.5
2.5°	2224.8	2214.3	2266.8	2352.6	2396.4	2482.3	2503.3	2557.6	2543.6	2562.9
5°	1841.1	1862.1	1939.2	2065.4	2110.9	2235.3	2352.6	2470.0	2545.3	2582.1
7.5°	1366.4	1436.5	1531.1	1646.7	1764.0	1927.0	2126.7	2263.3	2336.9	2415.7
10°	1017.8	1093.1	1201.7	1315.6	1506.5	1688.7	1888.4	2058.3	2121.4	2195.0
12.5°	800.6	917.9	1044.1	1166.7	1280.6	1454.0	1701.0	1948.0	2016.3	2072.4
15°	557.1	700.7	881.1	1040.6	1200.0	1350.6	1606.4	1905.9	1998.8	2093.4
17.5°	308.3	422.2	628.9	853.1	1087.9	1319.1	1637.9	1983.0	2123.2	2189.7
20°	178.7	224.2	371.4	637.6	947.7	1250.8	1653.7	2128.4	2314.1	2347.4
22.5°	147.1	162.9	210.2	399.4	776.0	1207.0	1734.3	2331.6	2520.8	2599.6
25°	126.1	138.4	162.9	240.0	586.8	1114.1	1785.1	2585.6	2760.8	2846.6
27.5°	112.1	124.4	143.6	176.9	399.4	986.3	1869.2	2815.1	2990.3	3107.7
30°	98.1	108.6	127.9	150.7	276.8	842.6	1941.0	2983.3	3230.3	3267.1
32.5°	87.6	96.3	110.4	129.6	205.0	639.4	1998.8	3156.7	3365.2	3445.8
35°	75.3	85.8	94.6	110.4	155.9	481.7	1963.7	3291.6	3563.1	3659.5
37.5°	66.6	73.6	82.3	92.8	131.4	376.6	1891.9	3452.8	3733.0	3822.4
40°	56.1	61.3	71.8	82.3	119.1	290.8	1809.6	3647.2	3971.3	4128.9
42.5°	47.3	52.6	59.6	77.1	98.1	215.5	1643.2	3797.9	4164.0	4297.1
45°	36.8	43.8	54.3	77.1	78.8	159.4	1471.5	3910.0	4272.6	4339.2
47.5°	28.0	35.0	52.6	66.6	63.1	110.4	1268.3	4037.9	4384.7	4446.0
50°	21.0	28.0	59.6	57.8	52.6	84.1	1140.4	4127.2	4391.7	4425.0
52.5°	14.0	21.0	49.0	43.8	43.8	73.6	1105.4	4123.7	4409.2	4337.4
55°	10.5	15.8	28.0	31.5	38.5	64.8	1073.8	4255.1	4414.5	4465.3
57.5°	7.0	12.3	19.3	24.5	33.3	56.1	1009.0	4412.7	4577.4	4603.7
60°	3.5	8.8	14.0	19.3	28.0	49.0	917.9	4528.4	4775.4	4803.4
62.5°	1.8	5.3	10.5	15.8	22.8	38.5	823.3	4344.4	4689.5	4738.6
65°	0.0	3.5	7.0	10.5	14.0	28.0	669.2	3922.2	4349.7	4530.1
67.5°	0.0	0.0	3.5	7.0	8.8	21.0	504.5	3568.4	4036.1	4281.4
70°	0.0	0.0	1.8	1.8	5.3	15.8	322.3	2955.3	3603.4	3738.3
72.5°	0.0	0.0	0.0	0.0	1.8	10.5	187.4	2195.0	2823.9	3074.4
75°	0.0	0.0	0.0	0.0	0.0	8.8	94.6	1411.9	1965.5	2301.8
77.5°	0.0	0.0	0.0	0.0	0.0	7.0	50.8	910.9	1448.7	1730.8
80°	0.0	0.0	0.0	0.0	0.0	1.8	29.8	529.0	926.7	1122.9
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	12.3	259.3	553.6	648.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	3.5	138.4	276.8	364.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.3	19.3	36.8
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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