

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: P676269

Luminaire Tested: **CCW-SA-2A-735-U-T2-HSS**

Issue Date: 04/25/2023



Test Information

Test Method: LM-79-08
Report Number: P676269
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCW-SA-2A-735-U-T2-HSS
Description: INVUE CLEAR CURVE Wall Pack MOUNT Light Square Luminaire @350mA w/
T2 distribution lens and House Side Shield
Light Source: (32) 3500K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

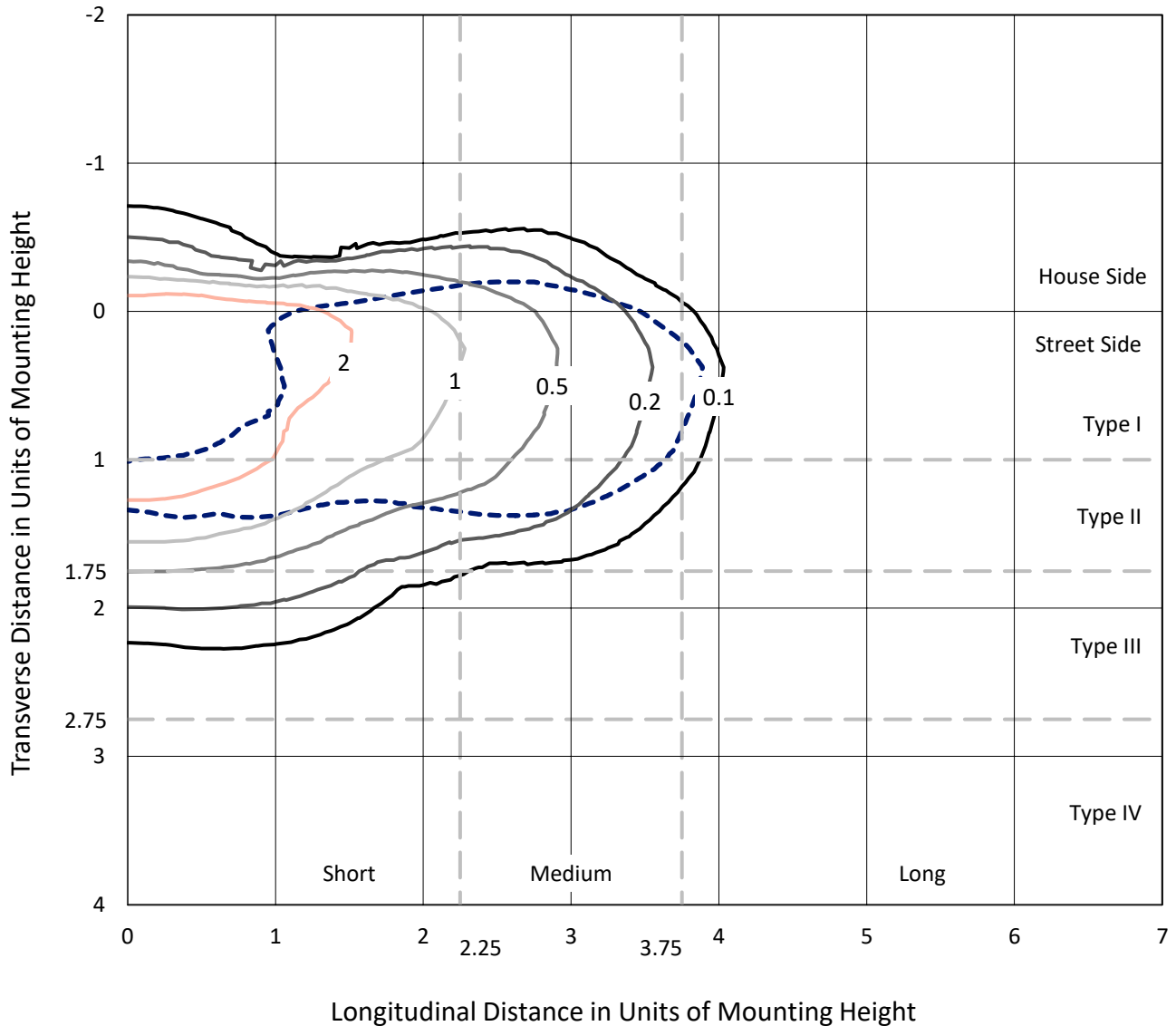
Lumens per Lamp: N/A
Luminaire Lumens: 4166.4 lumens
Efficiency: N/A
Efficacy: 115.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 36.2
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

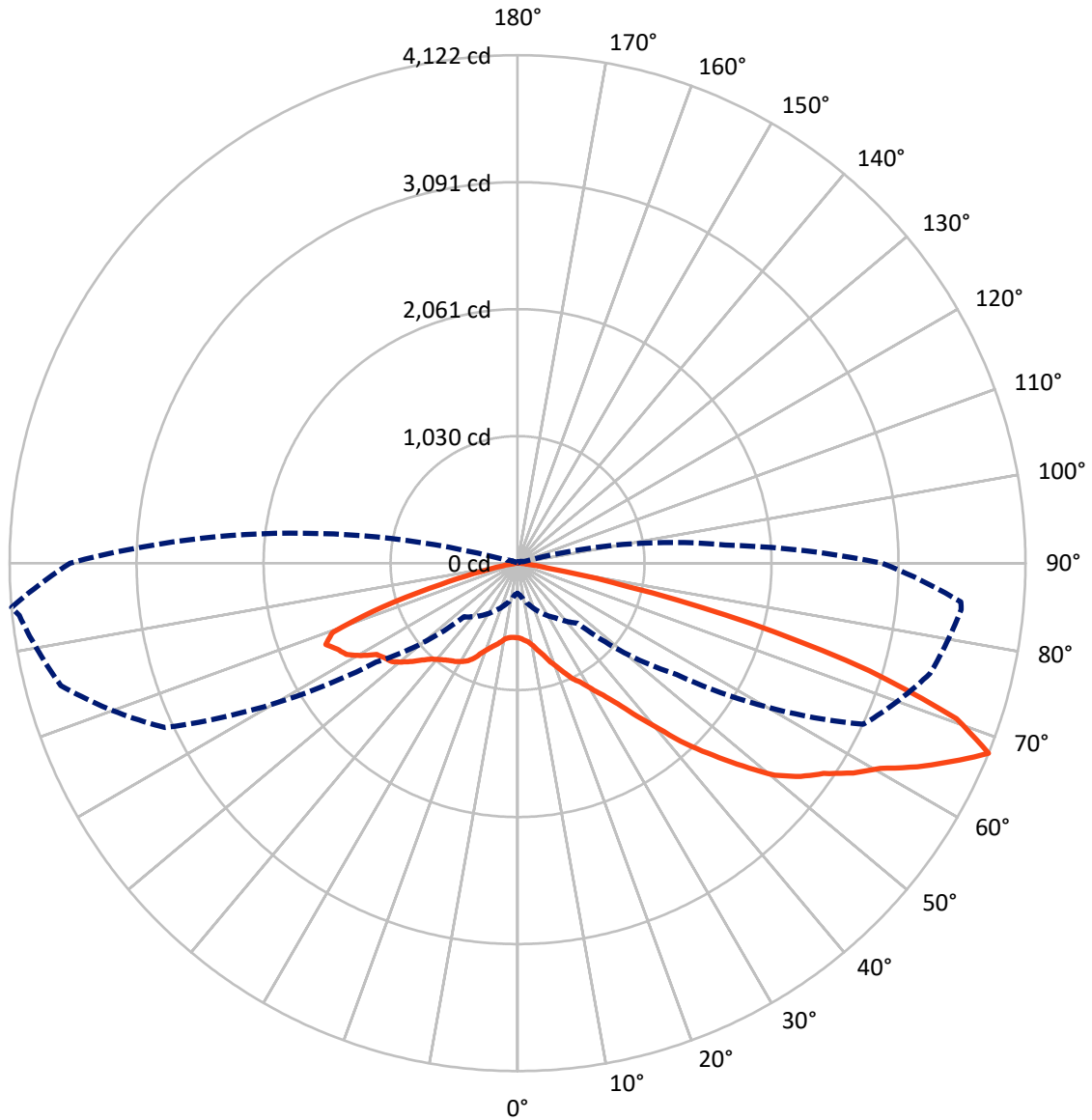
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 3.2 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	591.9	0.0	591.9
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	3574.5	0.0	3574.5
	% Fixture	85.8	0.0	85.8
Total	Lumens	4166.4	0.0	4166.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.2	1.3
10°-20°	148.6	3.6
20°-30°	246.7	5.9
30°-40°	424.5	10.2
40°-50°	762.7	18.3
50°-60°	1085.9	26.1
60°-70°	990.0	23.8
70°-80°	421.5	10.1
80°-90°	31.4	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°	4166.4	100.0
0°-180°	4166.4	100.0



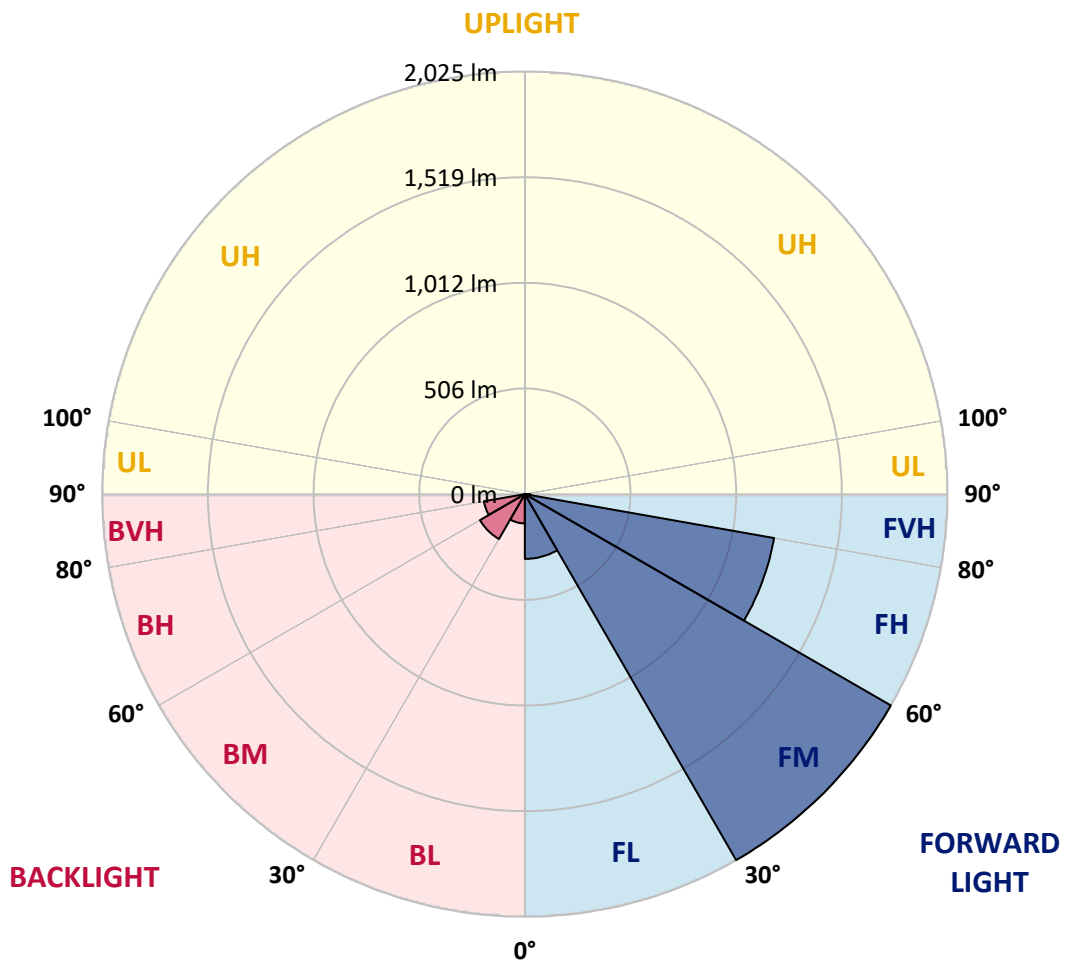
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	310.4	7.4			
FM (30°-60°)	2024.9	48.6			
FH (60°-80°)	1212.6	29.1			G1/1800
FVH (80°-90°)	26.6	0.6			G1/100
BL (0°-30°)	140.1	3.4	B1/500		
BM (30°-60°)	248.2	6.0	B1/1000		
BH (60°-80°)	198.9	4.8	B1/500		G1/500
BVH (80°-90°)	4.7	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-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	84°	85°
0°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	627.7	633.7	633.7	631.7	625.7	621.8	619.8	615.8	611.8	611.8	613.8
5°	633.7	627.7	635.7	625.7	625.7	625.7	633.7	629.7	627.7	617.8	617.8
7.5°	633.7	627.7	627.7	633.7	627.7	631.7	641.6	637.6	645.6	627.7	631.7
10°	615.8	613.8	617.8	625.7	627.7	635.7	645.6	665.5	667.4	655.5	653.5
12.5°	580.0	578.1	592.0	595.9	619.8	639.6	669.4	685.3	703.2	697.2	685.3
15°	554.2	558.2	568.1	584.0	605.9	641.6	675.4	711.1	742.9	735.0	731.0
17.5°	564.1	562.2	564.1	574.1	601.9	637.6	695.2	737.0	782.7	782.7	786.6
20°	593.9	599.9	597.9	592.0	605.9	635.7	695.2	768.7	844.2	838.3	838.3
22.5°	645.6	647.6	635.7	631.7	629.7	647.6	707.2	808.5	895.9	907.8	903.8
25°	699.2	701.2	697.2	685.3	669.4	673.4	729.0	840.3	967.4	987.3	983.3
27.5°	788.6	786.6	776.7	762.8	739.0	721.1	762.8	864.1	1023.0	1056.8	1046.8
30°	878.0	872.0	858.1	840.3	818.4	784.6	804.5	909.8	1092.5	1124.3	1102.5
32.5°	987.3	975.3	979.3	951.5	905.8	852.2	848.2	951.5	1148.2	1193.8	1176.0
35°	1126.3	1112.4	1092.5	1066.7	1023.0	951.5	929.6	1019.0	1241.5	1275.3	1275.3
37.5°	1309.1	1323.0	1299.1	1191.9	1144.2	1076.6	1031.0	1088.6	1323.0	1404.4	1384.5
40°	1495.8	1507.7	1464.0	1384.5	1281.2	1197.8	1170.0	1201.8	1446.1	1543.5	1505.7
42.5°	1646.7	1662.6	1646.7	1543.5	1462.0	1354.7	1305.1	1334.9	1605.0	1722.2	1672.6
45°	1805.7	1821.6	1803.7	1736.1	1656.7	1595.1	1470.0	1507.7	1771.9	1946.7	1891.1
47.5°	1924.8	1944.7	1912.9	1899.0	1835.5	1825.5	1613.0	1654.7	1946.7	2173.2	2103.6
50°	1952.7	1974.5	2002.3	2018.2	1996.4	2020.2	1805.7	1841.4	2129.5	2381.7	2314.2
52.5°	1887.1	1909.0	1970.5	2044.0	2145.3	2216.9	2000.3	2030.1	2320.1	2554.5	2518.8
55°	1694.4	1714.3	1839.4	1938.8	2181.1	2298.3	2187.1	2312.2	2457.2	2735.3	2647.9
57.5°	1370.6	1394.5	1559.3	1712.3	2061.9	2252.6	2298.3	2546.6	2683.7	2868.4	2767.1
60°	973.3	987.3	1130.3	1400.4	1732.2	2024.2	2276.4	2721.4	2862.4	3047.2	2993.5
62.5°	560.2	572.1	721.1	975.3	1307.1	1690.5	2179.1	2886.3	3055.1	3243.8	3214.0
65°	371.5	375.4	476.7	615.8	850.2	1245.5	1932.8	3033.3	3245.8	3400.8	3367.0
67.5°	244.3	266.2	345.6	441.0	544.3	689.3	1575.2	3094.9	3464.3	3619.3	3611.3
70°	174.8	182.8	248.3	339.7	409.2	387.4	921.7	2659.8	3454.4	3678.9	3613.3
72.5°	103.3	111.2	164.9	254.3	321.8	246.3	431.1	1881.1	2862.4	2935.9	2918.1
75°	75.5	75.5	101.3	182.8	234.4	176.8	202.6	1189.9	1901.0	2063.9	2061.9
77.5°	53.6	55.6	69.5	109.3	180.8	129.1	111.2	661.5	1038.9	1136.2	1082.6
80°	31.8	33.8	47.7	65.6	131.1	93.4	73.5	301.9	399.3	403.2	383.4
82.5°	23.8	23.8	31.8	45.7	91.4	63.6	45.7	115.2	129.1	117.2	99.3
85°	13.9	11.9	23.8	33.8	53.6	35.8	31.8	53.6	59.6	43.7	39.7
87.5°	4.0	4.0	9.9	11.9	23.8	19.9	13.9	19.9	27.8	15.9	11.9
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°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	609.8	603.9	593.9	590.0	576.1	570.1	566.1	556.2	558.2	552.2	552.2
5°	603.9	603.9	584.0	562.2	540.3	526.4	510.5	490.6	490.6	482.7	484.7
7.5°	625.7	609.8	584.0	544.3	508.5	476.7	462.8	443.0	431.1	425.1	425.1
10°	639.6	623.7	580.0	532.4	486.7	446.9	417.1	389.3	373.4	373.4	371.5
12.5°	677.4	653.5	595.9	530.4	462.8	403.2	357.6	325.8	303.9	288.0	292.0
15°	709.2	683.3	603.9	514.5	421.1	337.7	282.1	222.5	192.7	176.8	170.8
17.5°	758.8	711.1	621.8	486.7	357.6	264.2	182.8	133.1	121.2	119.2	119.2
20°	800.5	744.9	623.7	433.0	294.0	168.8	117.2	109.3	103.3	101.3	99.3
22.5°	858.1	788.6	615.8	371.5	210.6	113.2	99.3	91.4	87.4	81.4	81.4
25°	917.7	846.2	599.9	313.9	129.1	97.3	87.4	79.5	71.5	67.5	69.5
27.5°	981.3	889.9	554.2	244.3	99.3	85.4	71.5	65.6	61.6	59.6	59.6
30°	1032.9	917.7	486.7	162.9	89.4	75.5	63.6	57.6	53.6	51.6	51.6
32.5°	1070.7	941.6	411.2	109.3	81.4	67.5	57.6	51.6	47.7	45.7	45.7
35°	1134.3	959.4	341.7	93.4	73.5	59.6	49.7	45.7	41.7	41.7	41.7
37.5°	1231.6	983.3	272.1	85.4	67.5	53.6	47.7	41.7	39.7	37.7	37.7
40°	1317.0	1013.1	194.7	77.5	61.6	49.7	41.7	37.7	35.8	33.8	33.8
42.5°	1440.2	1046.8	127.1	69.5	55.6	45.7	37.7	33.8	31.8	29.8	29.8
45°	1597.1	1102.5	99.3	61.6	49.7	41.7	35.8	31.8	27.8	27.8	25.8
47.5°	1763.9	1170.0	89.4	57.6	45.7	37.7	31.8	27.8	25.8	23.8	23.8
50°	1918.9	1235.6	83.4	53.6	41.7	35.8	29.8	25.8	21.9	19.9	19.9
52.5°	2057.9	1297.1	79.5	49.7	39.7	31.8	25.8	21.9	19.9	17.9	17.9
55°	2131.4	1324.9	77.5	47.7	35.8	29.8	23.8	19.9	17.9	15.9	15.9
57.5°	2246.7	1360.7	75.5	45.7	33.8	25.8	21.9	17.9	15.9	13.9	13.9
60°	2433.4	1477.9	73.5	43.7	31.8	25.8	19.9	15.9	11.9	9.9	9.9
62.5°	2588.3	1575.2	65.6	37.7	27.8	21.9	15.9	11.9	7.9	6.0	6.0
65°	2765.1	1620.9	57.6	33.8	23.8	17.9	11.9	7.9	6.0	2.0	2.0
67.5°	2957.8	1690.5	47.7	29.8	21.9	13.9	9.9	6.0	2.0	0.0	0.0
70°	2856.5	1603.0	39.7	25.8	19.9	11.9	7.9	4.0	0.0	0.0	0.0
72.5°	2238.7	1148.2	31.8	23.8	17.9	11.9	7.9	2.0	0.0	0.0	0.0
75°	1495.8	649.6	27.8	19.9	13.9	9.9	6.0	2.0	0.0	0.0	0.0
77.5°	812.4	292.0	23.8	17.9	11.9	7.9	6.0	2.0	0.0	0.0	0.0
80°	264.2	115.2	19.9	15.9	11.9	7.9	6.0	2.0	0.0	0.0	0.0
82.5°	71.5	35.8	19.9	15.9	11.9	7.9	6.0	2.0	0.0	0.0	0.0
85°	29.8	23.8	19.9	15.9	11.9	7.9	6.0	2.0	0.0	0.0	0.0
87.5°	11.9	7.9	7.9	9.9	7.9	6.0	4.0	2.0	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°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	554.2	558.2	560.2	560.2	570.1	580.0	592.0	601.9	601.9	607.8	613.8
5°	486.7	490.6	496.6	514.5	534.3	556.2	578.1	593.9	615.8	625.7	631.7
7.5°	431.1	435.0	450.9	468.8	496.6	534.3	572.1	607.8	629.7	639.6	647.6
10°	373.4	379.4	397.3	429.1	464.8	510.5	554.2	615.8	651.5	671.4	679.4
12.5°	290.0	305.9	329.7	363.5	409.2	478.7	560.2	623.7	685.3	709.2	725.0
15°	182.8	196.7	234.4	288.0	349.6	431.1	544.3	635.7	721.1	744.9	770.7
17.5°	117.2	119.2	131.1	188.7	268.2	371.5	520.4	653.5	760.8	794.6	834.3
20°	99.3	103.3	105.3	113.2	178.8	305.9	470.8	675.4	808.5	854.2	891.9
22.5°	83.4	85.4	89.4	95.3	107.3	222.5	403.2	675.4	850.2	917.7	961.4
25°	67.5	71.5	75.5	81.4	93.4	139.0	333.7	663.5	899.9	983.3	1038.9
27.5°	59.6	59.6	63.6	69.5	79.5	97.3	264.2	627.7	937.6	1023.0	1096.5
30°	51.6	53.6	55.6	61.6	71.5	85.4	182.8	570.1	977.3	1100.5	1183.9
32.5°	45.7	45.7	49.7	53.6	63.6	77.5	117.2	482.7	1029.0	1160.1	1277.3
35°	41.7	41.7	43.7	47.7	57.6	69.5	91.4	409.2	1090.5	1273.3	1402.4
37.5°	37.7	37.7	39.7	43.7	51.6	61.6	83.4	351.6	1154.1	1386.5	1575.2
40°	33.8	33.8	35.8	39.7	45.7	55.6	75.5	284.1	1233.6	1553.4	1763.9
42.5°	29.8	29.8	31.8	35.8	41.7	49.7	65.6	212.5	1338.9	1734.2	2008.3
45°	25.8	25.8	27.8	31.8	35.8	45.7	59.6	162.9	1454.1	1934.8	2222.8
47.5°	21.9	23.8	25.8	29.8	33.8	41.7	53.6	143.0	1567.3	2147.3	2461.2
50°	19.9	19.9	21.9	25.8	31.8	37.7	49.7	141.0	1682.5	2310.2	2705.5
52.5°	17.9	17.9	19.9	23.8	29.8	35.8	47.7	145.0	1777.9	2461.2	2876.3
55°	15.9	15.9	17.9	19.9	25.8	33.8	43.7	149.0	1845.4	2614.1	3013.4
57.5°	13.9	13.9	15.9	19.9	23.8	29.8	39.7	153.0	1954.6	2765.1	3212.1
60°	9.9	9.9	13.9	17.9	21.9	25.8	37.7	156.9	2129.5	2973.7	3380.9
62.5°	6.0	6.0	7.9	13.9	17.9	23.8	33.8	149.0	2292.3	3241.9	3639.1
65°	2.0	4.0	6.0	7.9	13.9	19.9	27.8	135.1	2429.4	3510.0	3877.5
67.5°	0.0	0.0	2.0	6.0	11.9	15.9	23.8	99.3	2451.3	3631.2	4121.8
70°	0.0	0.0	2.0	6.0	9.9	15.9	21.9	55.6	2087.7	3243.8	3778.2
72.5°	0.0	0.0	0.0	4.0	9.9	13.9	19.9	41.7	1539.5	2445.3	2985.6
75°	0.0	0.0	0.0	2.0	7.9	11.9	17.9	31.8	935.6	1630.9	1948.7
77.5°	0.0	0.0	0.0	2.0	6.0	11.9	17.9	27.8	329.7	776.7	915.7
80°	0.0	0.0	0.0	4.0	7.9	11.9	15.9	23.8	79.5	194.7	262.2
82.5°	0.0	0.0	0.0	2.0	6.0	9.9	13.9	19.9	31.8	57.6	91.4
85°	0.0	0.0	0.0	2.0	4.0	9.9	13.9	17.9	21.9	27.8	39.7
87.5°	0.0	0.0	0.0	0.0	2.0	4.0	6.0	7.9	7.9	7.9	13.9
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°	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9	605.9
2.5°	611.8	619.8	623.7	631.7	635.7	633.7	631.7	637.6	633.7	627.7
5°	633.7	633.7	639.6	641.6	641.6	635.7	639.6	637.6	633.7	633.7
7.5°	657.5	667.4	667.4	655.5	653.5	649.6	649.6	633.7	627.7	633.7
10°	681.3	689.3	691.3	677.4	659.5	651.5	641.6	621.8	611.8	615.8
12.5°	731.0	731.0	709.2	693.3	669.4	641.6	617.8	590.0	576.1	580.0
15°	766.8	774.7	744.9	709.2	667.4	615.8	590.0	568.1	560.2	554.2
17.5°	836.3	820.4	772.7	721.1	661.5	607.8	590.0	570.1	564.1	564.1
20°	895.9	887.9	816.4	723.1	659.5	623.7	611.8	601.9	599.9	593.9
22.5°	977.3	941.6	850.2	744.9	681.3	649.6	645.6	655.5	649.6	645.6
25°	1038.9	1009.1	876.0	776.7	715.1	705.2	711.1	721.1	705.2	699.2
27.5°	1122.3	1066.7	925.7	818.4	760.8	770.7	790.6	792.6	782.7	788.6
30°	1199.8	1140.2	963.4	866.1	838.3	848.2	878.0	899.9	885.9	878.0
32.5°	1311.0	1219.7	1038.9	945.5	935.6	961.4	995.2	1009.1	991.2	987.3
35°	1428.2	1311.0	1116.4	1034.9	1052.8	1088.6	1118.4	1142.2	1114.4	1126.3
37.5°	1611.0	1458.0	1247.5	1176.0	1183.9	1197.8	1253.4	1319.0	1332.9	1309.1
40°	1801.7	1617.0	1368.6	1313.0	1330.9	1368.6	1434.2	1495.8	1527.6	1495.8
42.5°	2022.2	1769.9	1555.4	1489.8	1507.7	1561.3	1648.7	1698.4	1694.4	1646.7
45°	2294.3	1982.5	1730.2	1648.7	1714.3	1762.0	1849.4	1855.3	1817.6	1805.7
47.5°	2502.9	2161.2	1918.9	1867.2	1956.6	1958.6	1978.5	1980.5	1938.8	1924.8
50°	2733.3	2367.8	2129.5	2054.0	2204.9	2135.4	2081.8	2046.0	1982.5	1952.7
52.5°	2959.8	2514.8	2324.1	2246.7	2403.6	2218.8	2121.5	2012.3	1918.9	1887.1
55°	3081.0	2757.2	2608.2	2427.4	2447.3	2242.7	1998.3	1861.3	1702.4	1694.4
57.5°	3224.0	2920.0	2848.5	2550.6	2373.8	2075.8	1742.1	1561.3	1390.5	1370.6
60°	3392.8	3178.3	3102.8	2530.7	2113.6	1744.1	1380.6	1148.2	987.3	973.3
62.5°	3581.5	3484.2	3259.7	2336.0	1678.5	1227.6	911.8	717.1	568.1	560.2
65°	3879.5	3740.4	3343.2	1966.6	1110.4	786.6	605.9	464.8	375.4	371.5
67.5°	4066.2	3837.8	3156.4	1402.4	615.8	520.4	425.1	337.7	260.2	244.3
70°	3802.0	3521.9	2496.9	802.5	357.6	395.3	327.8	226.5	178.8	174.8
72.5°	3037.2	2614.1	1680.5	377.4	222.5	309.9	238.4	153.0	107.3	103.3
75°	2071.8	1644.8	1054.8	174.8	156.9	226.5	174.8	89.4	75.5	75.5
77.5°	925.7	838.3	540.3	107.3	117.2	172.8	101.3	61.6	55.6	53.6
80°	282.1	296.0	220.5	73.5	87.4	131.1	61.6	41.7	33.8	31.8
82.5°	95.3	111.2	99.3	43.7	59.6	93.4	41.7	27.8	23.8	23.8
85°	45.7	55.6	49.7	27.8	31.8	45.7	33.8	21.9	13.9	13.9
87.5°	17.9	25.8	17.9	11.9	17.9	23.8	13.9	9.9	4.0	4.0
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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