

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: P671067

Luminaire Tested: **CCP-SA-2D-722-U-T4W**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P671067
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2D-722-U-T4W
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @800mA w/ T4W
distribution lens
Light Source: (32) 2200K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8287.6 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B2 - U0 - G2

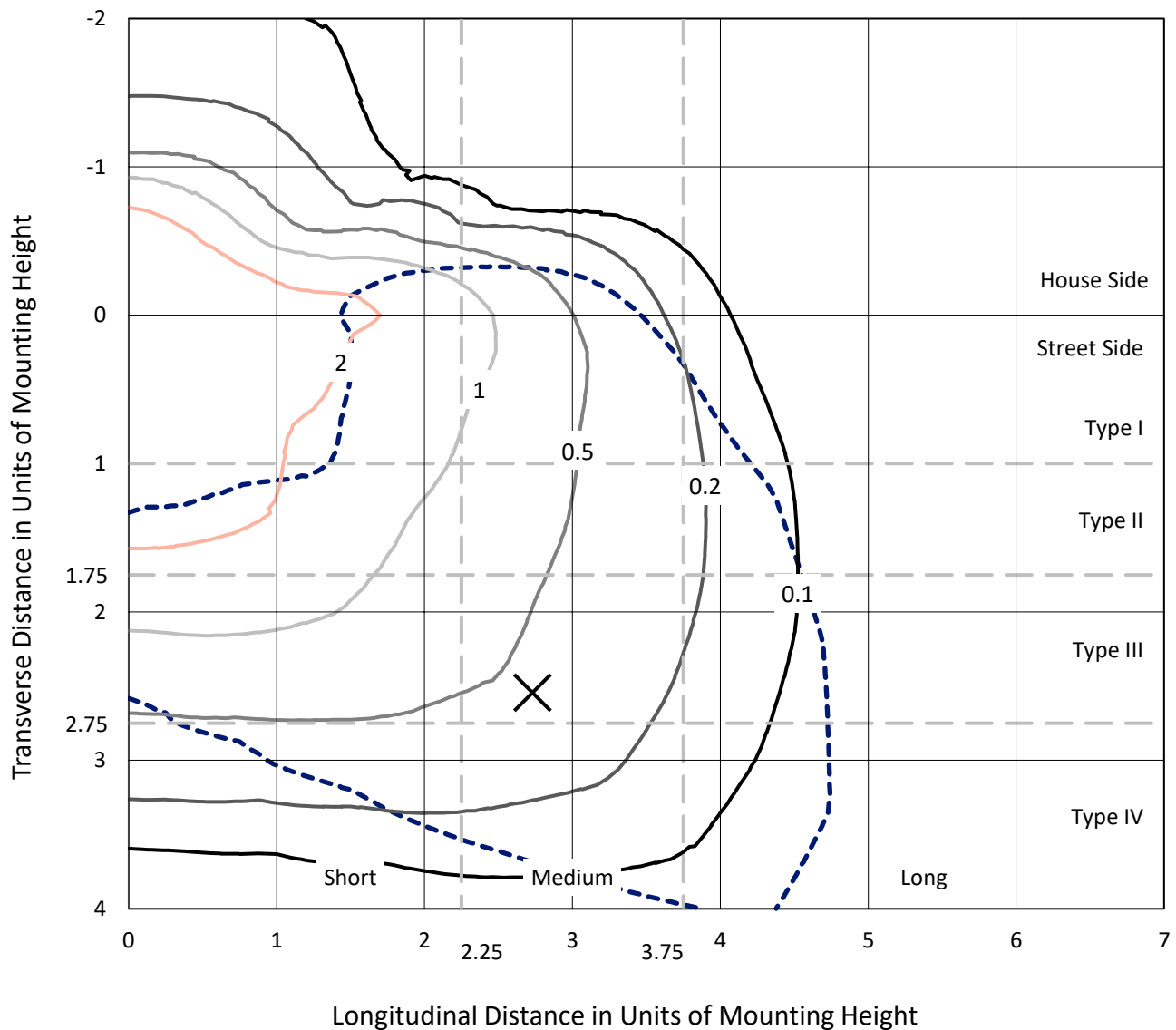
Input Watts (W): 80.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

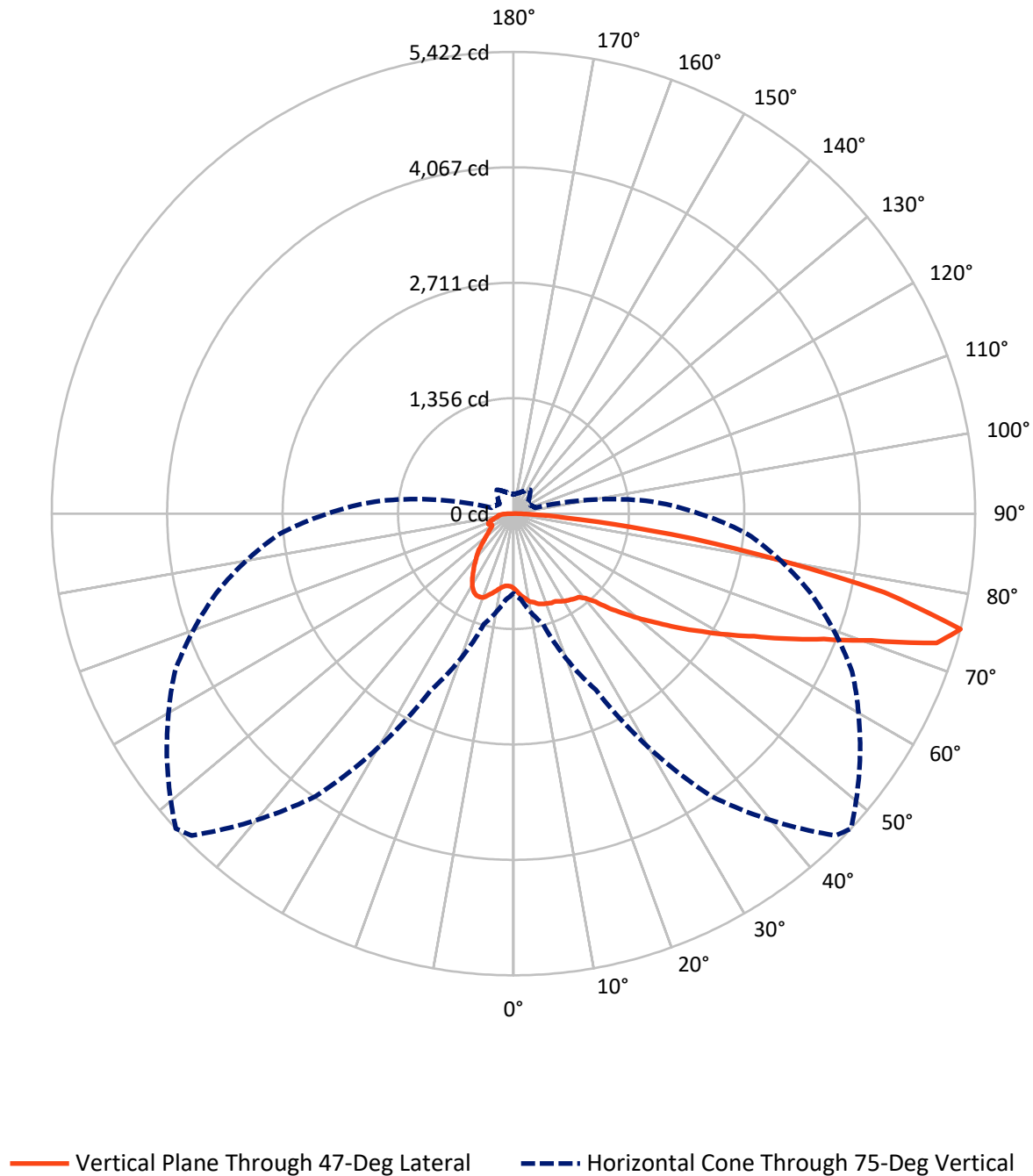
× Max cd
 --- 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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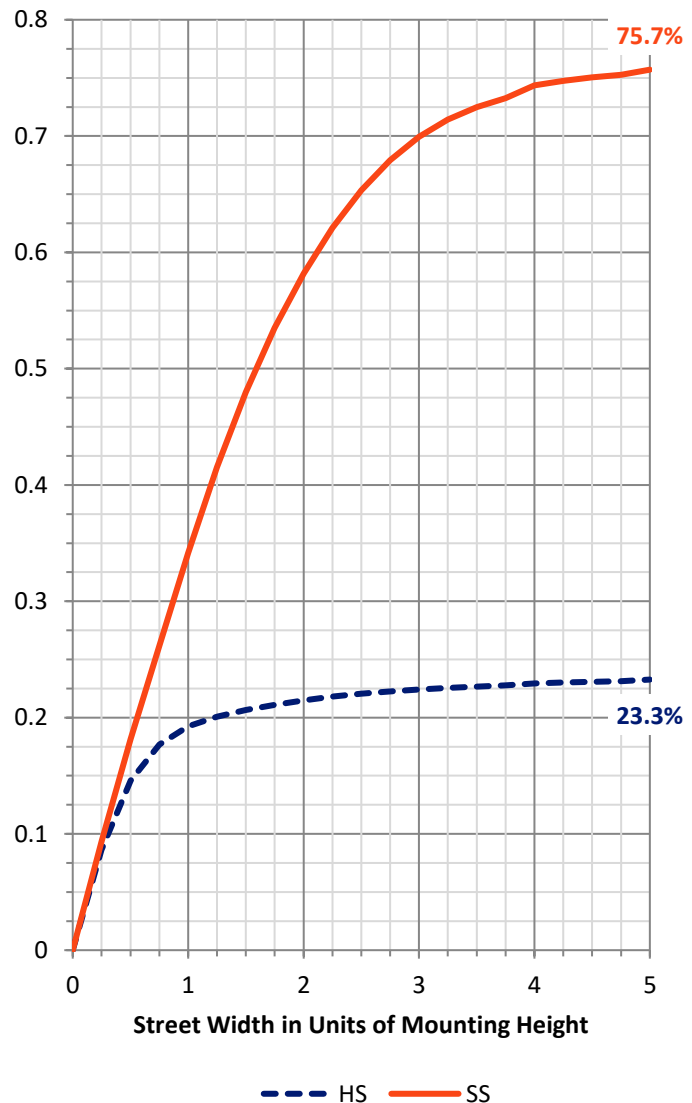
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1982.0	0.0	1982.0
	% Fixture	23.9	0.0	23.9
Street Side	Lumens	6305.7	0.0	6305.7
	% Fixture	76.1	0.0	76.1
Total	Lumens	8287.6	0.0	8287.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.1
10°-20°	295.4	3.6
20°-30°	506.0	6.1
30°-40°	708.0	8.5
40°-50°	987.1	11.9
50°-60°	1475.5	17.8
60°-70°	2127.3	25.7
70°-80°	1810.8	21.8
80°-90°	288.5	3.5
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°	8287.6	100.0
0°-180°	8287.6	100.0



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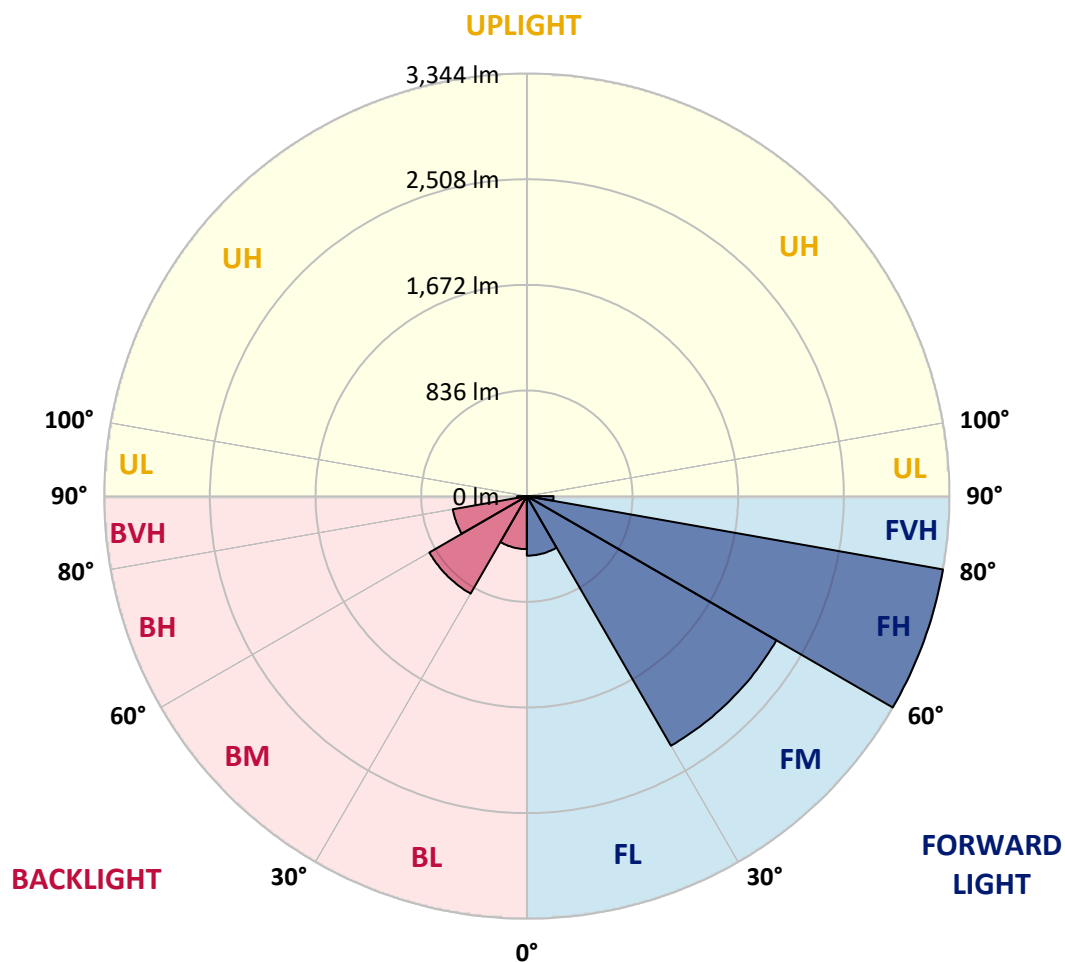
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	470.9	5.7			
FM	(30°-60°)	2279.9	27.5			
FH	(60°-80°)	3343.6	40.3			G2/5000
FVH	(80°-90°)	211.4	2.6			G2/225
BL	(0°-30°)	419.5	5.1	B1/500		
BM	(30°-60°)	890.8	10.7	B1/1000		
BH	(60°-80°)	594.6	7.2	B2/1000		G2/1000
BVH	(80°-90°)	77.1	0.9			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0
2.5°	943.5	946.5	946.5	940.4	934.4	922.3	922.3	910.2	904.2	889.0	883.0
5°	1031.2	1022.1	1013.0	1010.0	994.9	973.7	970.7	958.6	925.3	910.2	889.0
7.5°	1094.7	1091.6	1088.6	1076.5	1049.3	1016.0	1007.0	988.8	955.6	925.3	901.1
10°	1146.1	1158.2	1146.1	1118.9	1091.6	1055.4	1052.3	1019.1	988.8	952.5	922.3
12.5°	1203.5	1206.6	1185.4	1152.1	1109.8	1079.6	1067.5	1055.4	1022.1	991.9	946.5
15°	1242.8	1236.8	1221.7	1176.3	1127.9	1097.7	1100.7	1085.6	1049.3	1028.1	979.8
17.5°	1242.8	1242.8	1218.7	1185.4	1143.1	1115.8	1115.8	1106.8	1082.6	1052.3	1019.1
20°	1218.7	1218.7	1203.5	1185.4	1137.0	1131.0	1124.9	1118.9	1118.9	1091.6	1043.3
22.5°	1188.4	1182.4	1188.4	1158.2	1124.9	1131.0	1140.0	1137.0	1127.9	1103.7	1070.5
25°	1158.2	1161.2	1167.2	1146.1	1115.8	1143.1	1140.0	1155.2	1149.1	1131.0	1103.7
27.5°	1155.2	1161.2	1164.2	1143.1	1131.0	1155.2	1167.2	1182.4	1185.4	1167.2	1134.0
30°	1200.5	1197.5	1194.5	1167.2	1158.2	1179.3	1191.4	1212.6	1230.7	1191.4	1164.2
32.5°	1318.4	1300.3	1282.2	1209.6	1182.4	1197.5	1209.6	1239.8	1242.8	1221.7	1182.4
35°	1505.9	1493.8	1433.4	1306.3	1230.7	1215.6	1227.7	1248.9	1254.9	1239.8	1209.6
37.5°	1720.6	1714.6	1629.9	1475.7	1330.5	1258.0	1245.9	1276.1	1300.3	1267.0	1224.7
40°	1932.3	1908.1	1847.6	1696.4	1457.5	1321.5	1306.3	1321.5	1330.5	1306.3	1279.1
42.5°	2122.8	2095.6	2080.5	1929.3	1623.9	1427.3	1415.2	1378.9	1406.1	1375.9	1339.6
45°	2283.1	2277.0	2271.0	2141.0	1814.4	1599.7	1590.6	1496.9	1527.1	1502.9	1451.5
47.5°	2398.0	2425.2	2416.1	2343.6	2032.1	1784.1	1756.9	1636.0	1681.3	1657.1	1605.7
50°	2534.1	2549.2	2540.1	2491.7	2234.7	1995.8	1944.4	1820.4	1871.8	1868.8	1841.6
52.5°	2655.0	2700.4	2649.0	2646.0	2525.0	2225.6	2137.9	2020.0	2104.7	2137.9	2134.9
55°	2797.2	2833.4	2818.3	2812.3	2785.1	2449.4	2370.8	2228.7	2370.8	2419.2	2461.5
57.5°	2918.1	2915.1	2972.5	3042.1	3075.4	2706.4	2612.7	2446.4	2661.1	2715.5	2833.4
60°	2972.5	3024.0	3120.7	3296.1	3389.9	2981.6	2884.9	2751.8	2954.4	2996.7	3214.5
62.5°	3008.8	3054.2	3241.7	3538.0	3592.5	3262.8	3172.1	3039.1	3274.9	3305.2	3628.7
65°	2909.0	2951.4	3323.3	3628.7	3822.3	3565.2	3544.1	3405.0	3595.5	3613.6	4064.2
67.5°	2794.1	2839.5	3253.8	3743.7	4127.7	3967.4	3934.2	3767.8	3913.0	3891.8	4396.8
70°	2591.5	2652.0	3075.4	3843.4	4466.4	4529.9	4463.4	4227.5	4242.6	4043.0	4411.9
72.5°	1974.6	2014.0	2407.1	3447.3	4623.6	5310.1	5195.2	4723.4	4551.1	4073.3	3894.9
75°	937.4	1010.0	1342.6	2280.1	4052.1	5346.4	5422.0	4968.4	4387.8	3613.6	2760.9
77.5°	272.2	272.2	408.2	967.7	2540.1	4309.1	4451.3	4218.4	3619.7	2676.2	1451.5
80°	148.2	157.2	214.7	341.7	1115.8	2718.5	2924.2	2797.2	2131.9	1058.4	375.0
82.5°	84.7	87.7	142.1	205.6	508.0	1478.7	1599.7	1451.5	810.4	320.5	175.4
85°	48.4	51.4	81.6	136.1	302.4	544.3	592.7	514.1	326.6	214.7	87.7
87.5°	24.2	24.2	39.3	63.5	154.2	154.2	151.2	184.5	196.6	130.0	39.3
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°	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0	880.0
2.5°	880.0	876.9	876.9	864.9	861.8	852.8	852.8	846.7	843.7	852.8	852.8
5°	883.0	867.9	864.9	852.8	855.8	849.7	861.8	855.8	852.8	852.8	849.7
7.5°	889.0	873.9	861.8	852.8	849.7	858.8	873.9	873.9	892.1	883.0	883.0
10°	904.2	895.1	880.0	873.9	873.9	883.0	901.1	913.2	928.4	928.4	919.3
12.5°	940.4	925.3	907.2	898.1	910.2	919.3	937.4	949.5	967.7	973.7	967.7
15°	967.7	952.5	946.5	940.4	949.5	961.6	976.7	988.8	1010.0	1016.0	1013.0
17.5°	1004.0	985.8	982.8	985.8	991.9	1000.9	1010.0	1019.1	1034.2	1034.2	1034.2
20°	1022.1	1016.0	1013.0	1022.1	1034.2	1046.3	1040.2	1034.2	1031.2	1037.2	1034.2
22.5°	1055.4	1049.3	1052.3	1061.4	1061.4	1055.4	1046.3	1025.1	1019.1	1025.1	1019.1
25°	1085.6	1079.6	1079.6	1073.5	1070.5	1049.3	1031.2	1013.0	991.9	1000.9	997.9
27.5°	1115.8	1112.8	1112.8	1088.6	1058.4	1022.1	997.9	976.7	964.6	979.8	970.7
30°	1152.1	1155.2	1140.0	1082.6	1010.0	970.7	943.5	940.4	937.4	946.5	943.5
32.5°	1185.4	1188.4	1164.2	1073.5	973.7	898.1	870.9	873.9	889.0	904.2	919.3
35°	1203.5	1218.7	1188.4	1043.3	901.1	816.5	786.2	813.4	840.7	861.8	876.9
37.5°	1236.8	1276.1	1224.7	1010.0	837.6	743.9	722.7	731.8	765.1	798.3	813.4
40°	1285.2	1330.5	1233.8	946.5	753.0	671.3	659.2	662.2	674.3	695.5	710.6
42.5°	1369.9	1418.2	1242.8	864.9	668.3	626.0	592.7	583.6	574.6	574.6	571.5
45°	1493.8	1539.2	1230.7	762.0	583.6	553.4	529.2	508.0	483.8	444.5	450.6
47.5°	1675.3	1711.6	1239.8	671.3	505.0	480.8	462.7	438.5	402.2	359.9	356.8
50°	1950.5	1896.0	1227.7	577.6	447.5	426.4	411.3	378.0	335.7	305.4	302.4
52.5°	2271.0	2162.1	1215.6	499.0	399.2	381.0	368.9	332.6	293.3	278.2	275.2
55°	2658.1	2500.8	1233.8	429.4	362.9	347.8	335.7	302.4	272.2	260.1	257.0
57.5°	3114.7	2866.7	1333.6	375.0	323.6	317.5	314.5	287.3	260.1	251.0	248.0
60°	3544.1	3217.5	1400.1	335.7	287.3	293.3	299.4	287.3	257.0	251.0	251.0
62.5°	3903.9	3507.8	1294.3	302.4	269.1	287.3	314.5	305.4	293.3	299.4	293.3
65°	4221.4	3607.6	967.7	284.3	260.1	302.4	347.8	344.7	317.5	323.6	320.5
67.5°	4275.9	3486.6	632.0	269.1	254.0	332.6	390.1	353.8	299.4	299.4	290.3
70°	4049.1	3163.1	423.4	254.0	251.0	332.6	399.2	332.6	281.2	281.2	269.1
72.5°	3323.3	2528.0	326.6	238.9	229.8	296.3	378.0	314.5	263.1	257.0	235.9
75°	2183.3	1629.9	266.1	226.8	199.6	260.1	341.7	290.3	251.0	232.8	223.8
77.5°	1070.5	731.8	223.8	199.6	172.4	226.8	311.5	275.2	235.9	217.7	211.7
80°	293.3	263.1	187.5	175.4	145.1	196.6	293.3	263.1	220.7	202.6	193.5
82.5°	166.3	163.3	151.2	142.1	121.0	196.6	296.3	263.1	208.7	205.6	175.4
85°	90.7	96.8	108.9	105.8	93.7	175.4	281.2	229.8	169.3	142.1	142.1
87.5°	36.3	45.4	54.4	60.5	63.5	130.0	211.7	175.4	130.0	108.9	108.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)