

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: P670653

Luminaire Tested: **CCP-SA-1F-730-U-T2**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P670653
Test Lab: INNOVATION CENTER(G1)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1F-730-U-T2
Description: INVUE CLEAR CURVE POLE MOUNT LIGHT SQUARE LUMINAIRE @1200mA w/ T2
distribution lens
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6810.3 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

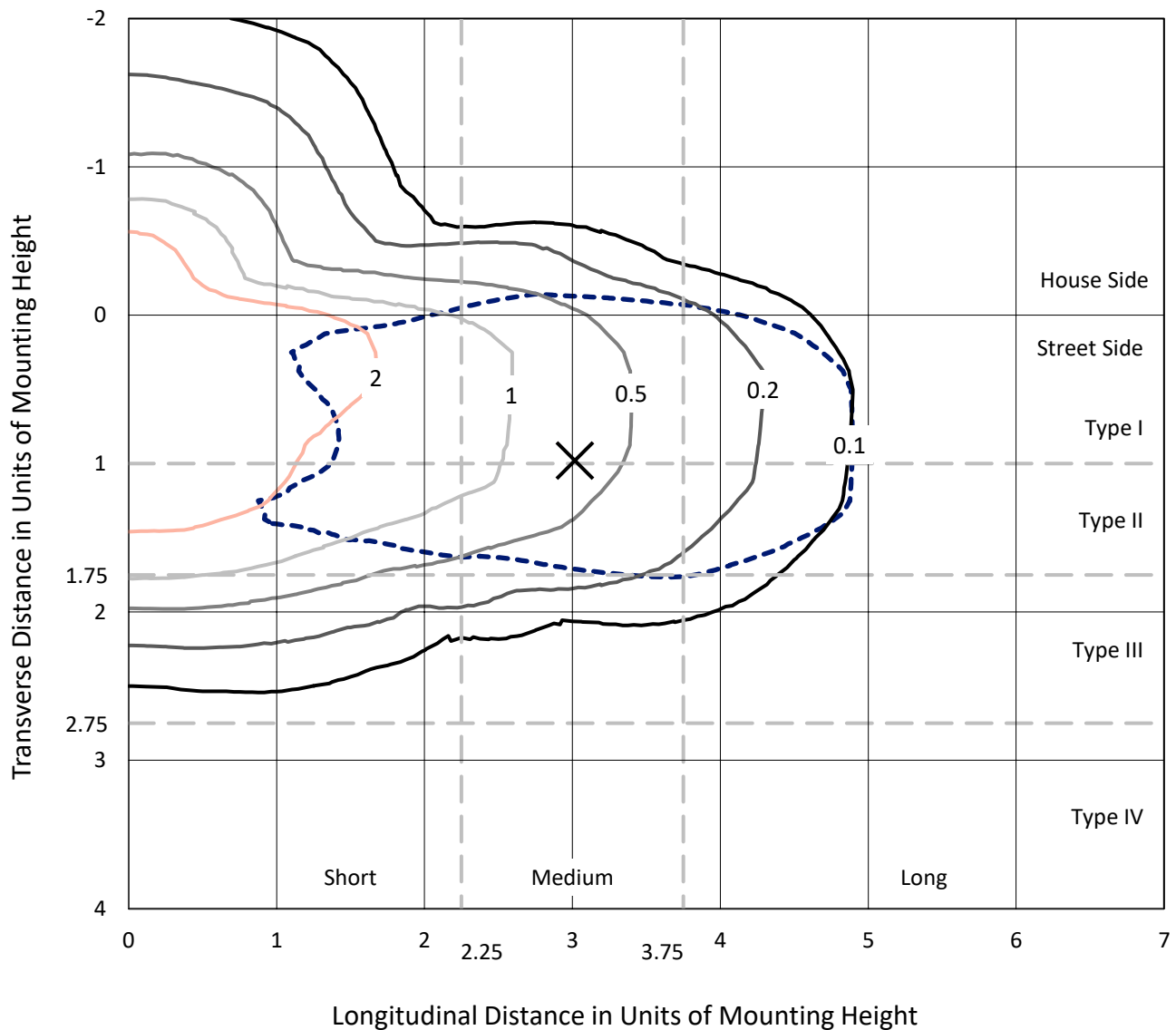
Input Watts (W): 67
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Iso-Footcandle Lines of Horizontal Illumination

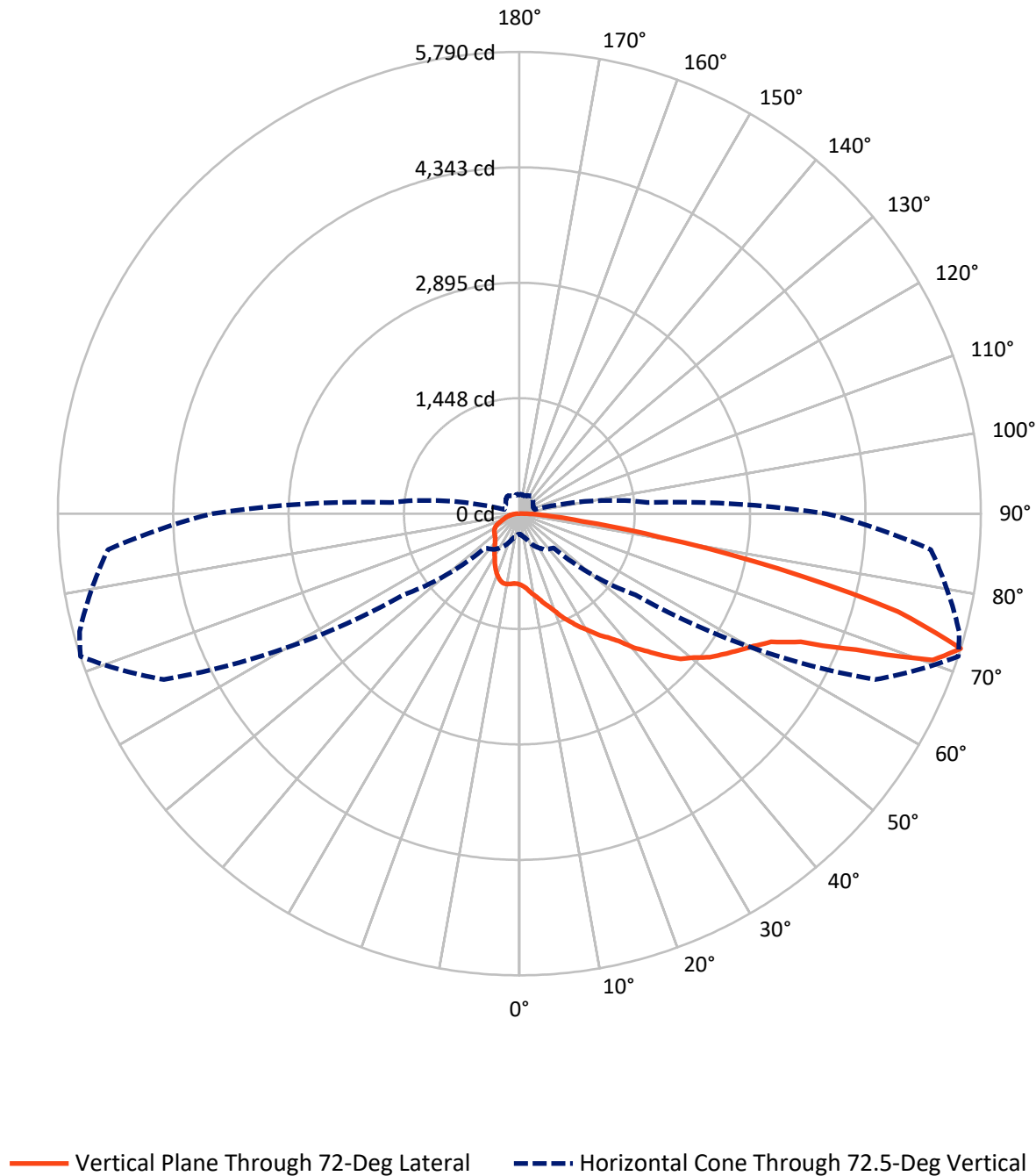
× Max cd
 - - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 4.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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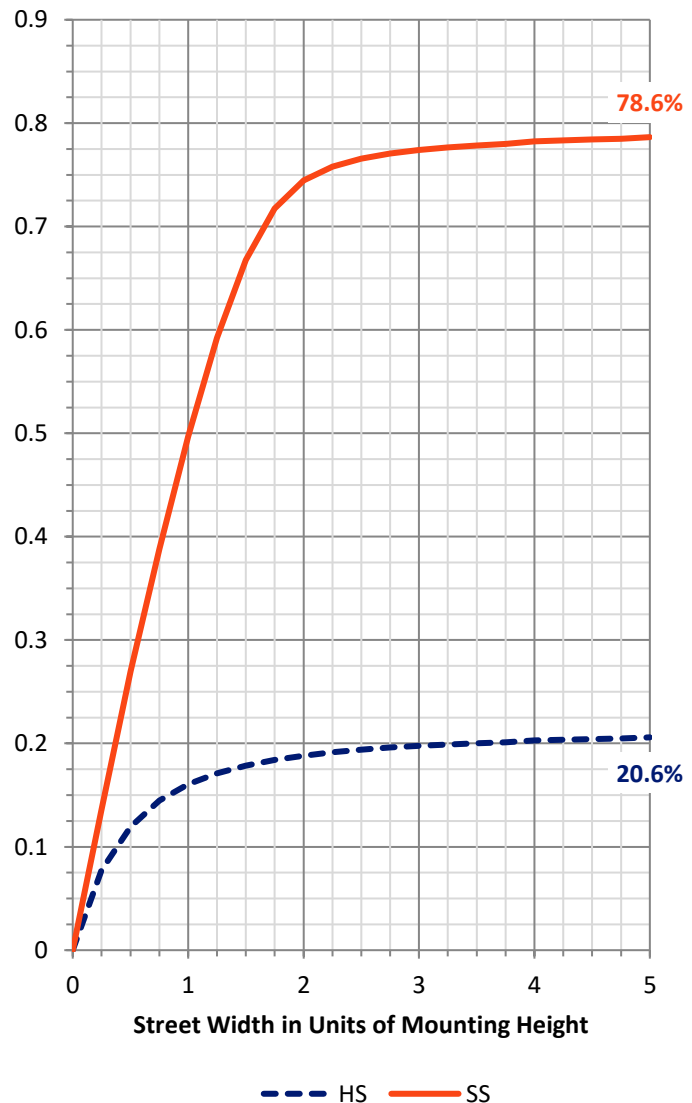
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1433.3	0.0	1433.3
	% Fixture	21.0	0.0	21.0
Street Side	Lumens	5377.1	0.0	5377.1
	% Fixture	79.0	0.0	79.0
Total	Lumens	6810.3	0.0	6810.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	1.3
10°-20°	273.3	4.0
20°-30°	472.9	6.9
30°-40°	698.5	10.3
40°-50°	1038.8	15.3
50°-60°	1424.1	20.9
60°-70°	1544.7	22.7
70°-80°	1089.1	16.0
80°-90°	181.0	2.7
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°	6810.3	100.0
0°-180°	6810.3	100.0

Coefficient of Utilization



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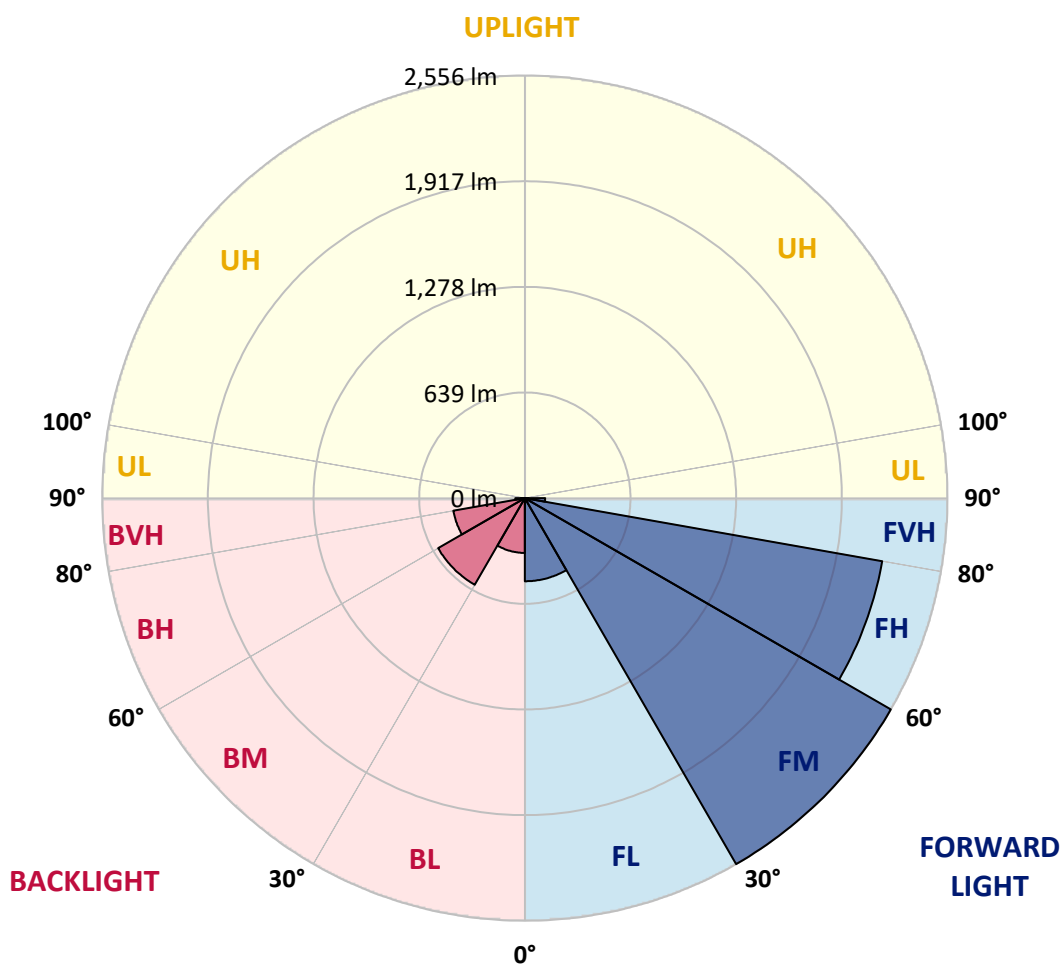
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	502.9	7.4			
FM	(30°-60°)	2556.1	37.5			
FH	(60°-80°)	2194.8	32.2			G2/5000
FVH	(80°-90°)	123.4	1.8			G2/225
BL	(0°-30°)	331.3	4.9	B1/500		
BM	(30°-60°)	605.4	8.9	B1/1000		
BH	(60°-80°)	439.0	6.4	B1/500		G1/500
BVH	(80°-90°)	57.6	0.8			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 II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6
2.5°	960.0	960.0	952.4	949.9	949.9	929.8	932.3	919.8	909.7	909.7	899.7
5°	1010.2	1005.2	1005.2	1005.2	992.7	985.1	982.6	960.0	942.4	944.9	914.8
7.5°	1022.8	1025.3	1027.8	1040.4	1032.9	1037.9	1032.9	1007.7	995.2	982.6	955.0
10°	1030.4	1035.4	1035.4	1053.0	1053.0	1065.5	1073.1	1063.0	1040.4	1027.8	982.6
12.5°	1047.9	1040.4	1050.5	1063.0	1075.6	1098.2	1120.8	1110.8	1095.7	1080.6	1030.4
15°	1047.9	1050.5	1058.0	1078.1	1098.2	1120.8	1161.0	1176.1	1168.6	1140.9	1088.2
17.5°	1017.8	1010.2	1045.4	1083.1	1120.8	1148.5	1201.2	1236.4	1231.4	1221.3	1140.9
20°	1020.3	1027.8	1040.4	1073.1	1133.4	1183.6	1249.0	1306.8	1319.4	1314.3	1211.3
22.5°	1065.5	1068.0	1080.6	1095.7	1143.4	1208.8	1306.8	1399.8	1422.4	1409.8	1289.2
25°	1110.8	1130.9	1130.9	1140.9	1158.5	1226.4	1344.5	1475.2	1507.8	1510.3	1369.6
27.5°	1183.6	1188.7	1203.8	1208.8	1223.9	1264.1	1387.2	1530.5	1605.8	1595.8	1442.5
30°	1269.1	1271.6	1281.7	1276.6	1279.1	1329.4	1427.4	1593.3	1696.3	1698.8	1520.4
32.5°	1369.6	1389.7	1394.7	1362.1	1367.1	1379.7	1490.2	1668.7	1809.4	1791.8	1588.3
35°	1517.9	1525.4	1510.3	1495.3	1457.6	1450.0	1555.6	1744.1	1907.4	1927.5	1688.8
37.5°	1701.3	1721.4	1701.3	1620.9	1580.7	1550.6	1636.0	1827.0	2025.5	2093.4	1789.3
40°	1872.2	1869.7	1849.6	1776.7	1706.4	1683.7	1751.6	1942.6	2209.0	2274.3	1935.1
42.5°	2010.4	2002.9	1990.3	1935.1	1869.7	1832.0	1884.8	2063.2	2362.3	2487.9	2103.4
45°	2131.1	2121.0	2123.5	2060.7	1997.9	2018.0	2018.0	2201.4	2543.2	2699.0	2296.9
47.5°	2244.2	2249.2	2241.6	2193.9	2146.1	2198.9	2171.3	2359.8	2721.6	2895.0	2460.3
50°	2374.8	2384.9	2359.8	2329.6	2286.9	2339.7	2304.5	2508.0	2837.2	3073.5	2656.3
52.5°	2498.0	2508.0	2530.6	2492.9	2450.2	2492.9	2412.5	2646.2	2990.5	3246.9	2807.1
55°	2528.1	2523.1	2648.8	2689.0	2711.6	2583.4	2508.0	2764.4	3111.2	3357.4	2978.0
57.5°	2389.9	2402.5	2573.4	2689.0	2930.2	2819.6	2616.1	2902.6	3236.8	3503.2	3136.3
60°	2045.6	2053.2	2266.8	2540.7	2892.5	3040.8	2907.6	3081.0	3375.0	3626.3	3314.7
62.5°	1367.1	1424.9	1691.3	2121.0	2626.1	3101.1	3372.5	3382.6	3543.4	3782.1	3558.5
65°	721.2	748.9	957.5	1304.3	1990.3	2892.5	3809.8	3980.7	3880.2	4068.6	3910.3
67.5°	472.5	482.5	595.6	791.6	1148.5	2111.0	3860.1	5018.6	4556.2	4614.0	4473.2
70°	351.8	356.9	439.8	585.5	711.2	1128.4	3163.9	5503.6	5501.1	5347.8	5141.7
72.5°	258.8	266.4	324.2	447.3	547.8	608.2	1779.2	4923.1	5790.1	5712.2	5181.9
75°	203.6	208.6	238.7	346.8	442.3	399.6	902.2	3646.4	4910.5	5285.0	4742.1
77.5°	165.9	170.9	188.5	251.3	354.3	309.1	432.2	2352.2	3329.8	3804.8	3628.9
80°	138.2	138.2	150.8	178.4	273.9	233.7	256.3	1321.9	1794.3	1980.3	1646.1
82.5°	118.1	115.6	125.7	130.7	203.6	168.4	165.9	598.1	789.1	836.8	618.2
85°	75.4	77.9	118.1	113.1	133.2	115.6	93.0	284.0	371.9	379.5	231.2
87.5°	30.2	30.2	50.3	62.8	75.4	70.4	45.2	128.2	163.3	163.3	65.3
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°	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6	889.6
2.5°	897.2	887.1	879.6	874.5	862.0	849.4	851.9	849.4	839.4	834.3	834.3
5°	907.2	897.2	884.6	864.5	851.9	836.8	841.9	831.8	821.8	829.3	816.7
7.5°	932.3	914.8	897.2	867.0	846.9	824.3	814.2	809.2	801.7	796.6	796.6
10°	967.5	942.4	909.7	864.5	831.8	796.6	791.6	781.6	774.0	774.0	771.5
12.5°	1002.7	975.1	919.8	846.9	791.6	766.5	764.0	766.5	771.5	774.0	776.5
15°	1047.9	1002.7	917.3	814.2	758.9	748.9	761.5	771.5	781.6	791.6	789.1
17.5°	1090.7	1037.9	894.6	774.0	731.3	733.8	756.4	776.5	796.6	806.7	809.2
20°	1148.5	1070.6	862.0	726.3	703.7	726.3	756.4	781.6	804.2	816.7	819.3
22.5°	1213.8	1108.3	819.3	683.6	681.0	703.7	733.8	771.5	796.6	819.3	816.7
25°	1271.6	1133.4	764.0	648.4	653.4	668.5	703.7	743.9	769.0	794.1	786.6
27.5°	1309.3	1138.4	706.2	623.2	623.2	638.3	671.0	696.1	718.7	738.8	741.4
30°	1352.0	1128.4	640.8	590.6	590.6	610.7	623.2	638.3	650.9	655.9	660.9
32.5°	1402.3	1105.7	600.6	565.4	565.4	580.5	588.1	583.0	580.5	568.0	575.5
35°	1450.0	1073.1	555.4	532.8	542.8	550.4	547.8	532.8	517.7	495.1	487.5
37.5°	1507.8	1040.4	515.2	497.6	515.2	517.7	517.7	500.1	480.0	452.3	452.3
40°	1595.8	1015.3	482.5	475.0	492.6	490.0	477.5	464.9	472.5	457.4	457.4
42.5°	1688.8	1005.2	452.3	454.9	462.4	464.9	452.3	437.3	467.4	449.8	452.3
45°	1804.4	1012.8	432.2	429.7	447.3	444.8	437.3	424.7	434.8	389.5	377.0
47.5°	1912.4	1027.8	422.2	412.1	432.2	437.3	427.2	399.6	384.5	356.9	351.8
50°	2010.4	1060.5	412.1	392.0	412.1	422.2	404.6	374.4	356.9	339.3	339.3
52.5°	2103.4	1108.3	407.1	369.4	387.0	399.6	389.5	359.4	339.3	331.7	324.2
55°	2198.9	1151.0	399.6	354.3	359.4	384.5	382.0	341.8	321.7	321.7	319.2
57.5°	2334.6	1208.8	389.5	329.2	339.3	366.9	366.9	334.2	311.6	314.1	316.6
60°	2472.8	1276.6	379.5	304.1	311.6	349.3	354.3	324.2	304.1	306.6	304.1
62.5°	2694.0	1402.3	359.4	273.9	289.0	326.7	339.3	311.6	294.0	299.1	299.1
65°	3028.2	1618.4	316.6	248.8	266.4	306.6	324.2	299.1	278.9	294.0	289.0
67.5°	3566.0	1914.9	266.4	228.7	251.3	286.5	306.6	284.0	266.4	289.0	281.5
70°	4048.5	2060.7	228.7	211.1	228.7	263.9	286.5	268.9	251.3	273.9	263.9
72.5°	3852.5	1615.9	198.5	191.0	208.6	238.7	266.4	248.8	231.2	243.8	233.7
75°	3324.8	1286.7	173.4	170.9	186.0	216.1	243.8	231.2	213.6	218.6	213.6
77.5°	2520.6	1063.0	148.3	145.8	158.3	193.5	218.6	208.6	191.0	188.5	188.5
80°	1125.8	522.7	123.1	123.1	130.7	165.9	186.0	180.9	163.3	160.8	158.3
82.5°	369.4	198.5	100.5	95.5	105.5	138.2	165.9	160.8	143.2	138.2	133.2
85°	148.3	95.5	72.9	72.9	82.9	115.6	148.3	138.2	115.6	103.0	103.0
87.5°	50.3	40.2	37.7	37.7	52.8	77.9	110.6	93.0	82.9	72.9	75.4
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)