

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: P674599

Luminaire Tested: **CCP-SA-2C-827-U-T2R-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P674599
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-2C-827-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @615mA w/ T2R
distribution lens and House Side Shield
Light Source: (32) 2700K CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

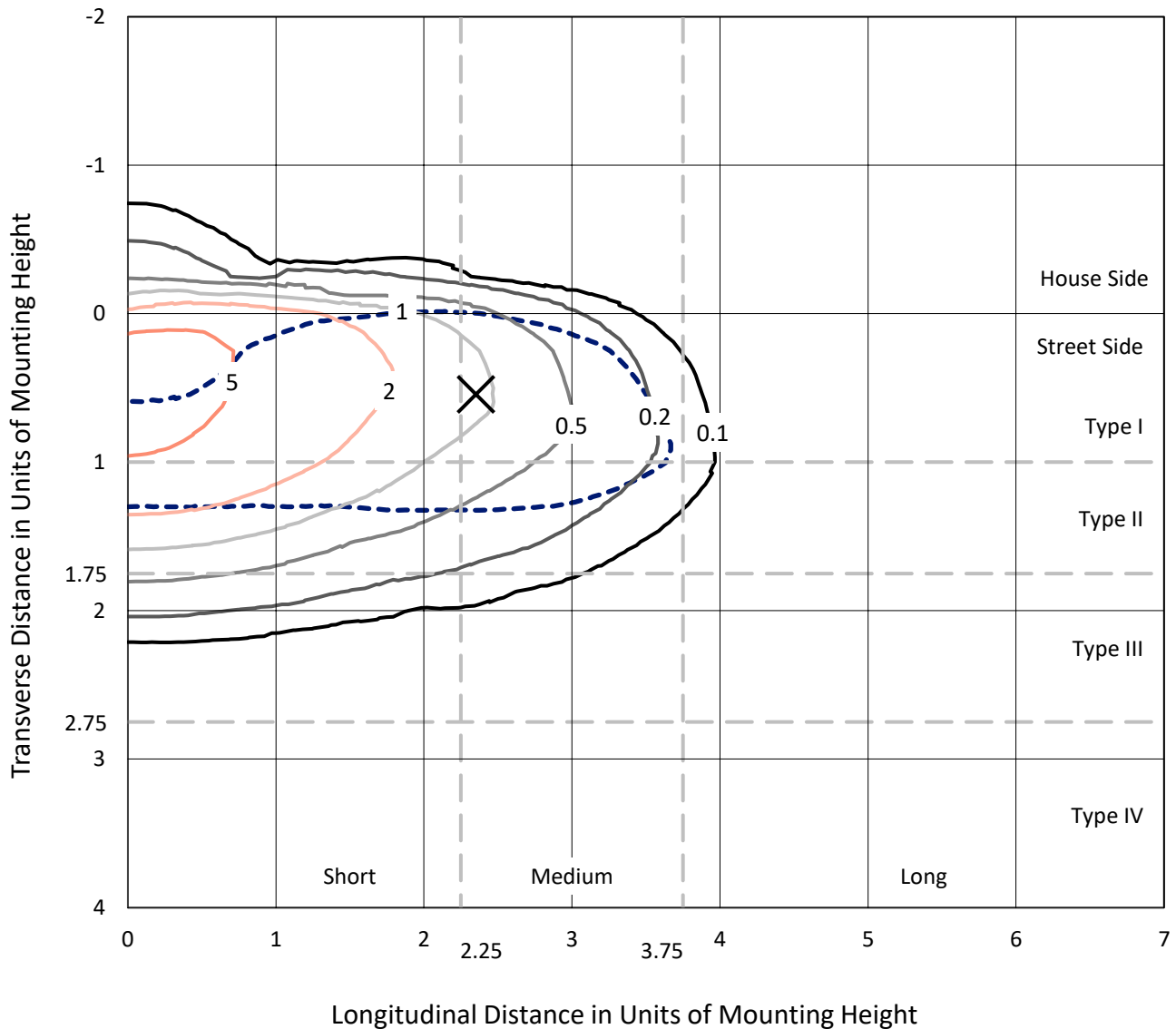
Lumens per Lamp: N/A
Luminaire Lumens: 5381.6 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

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

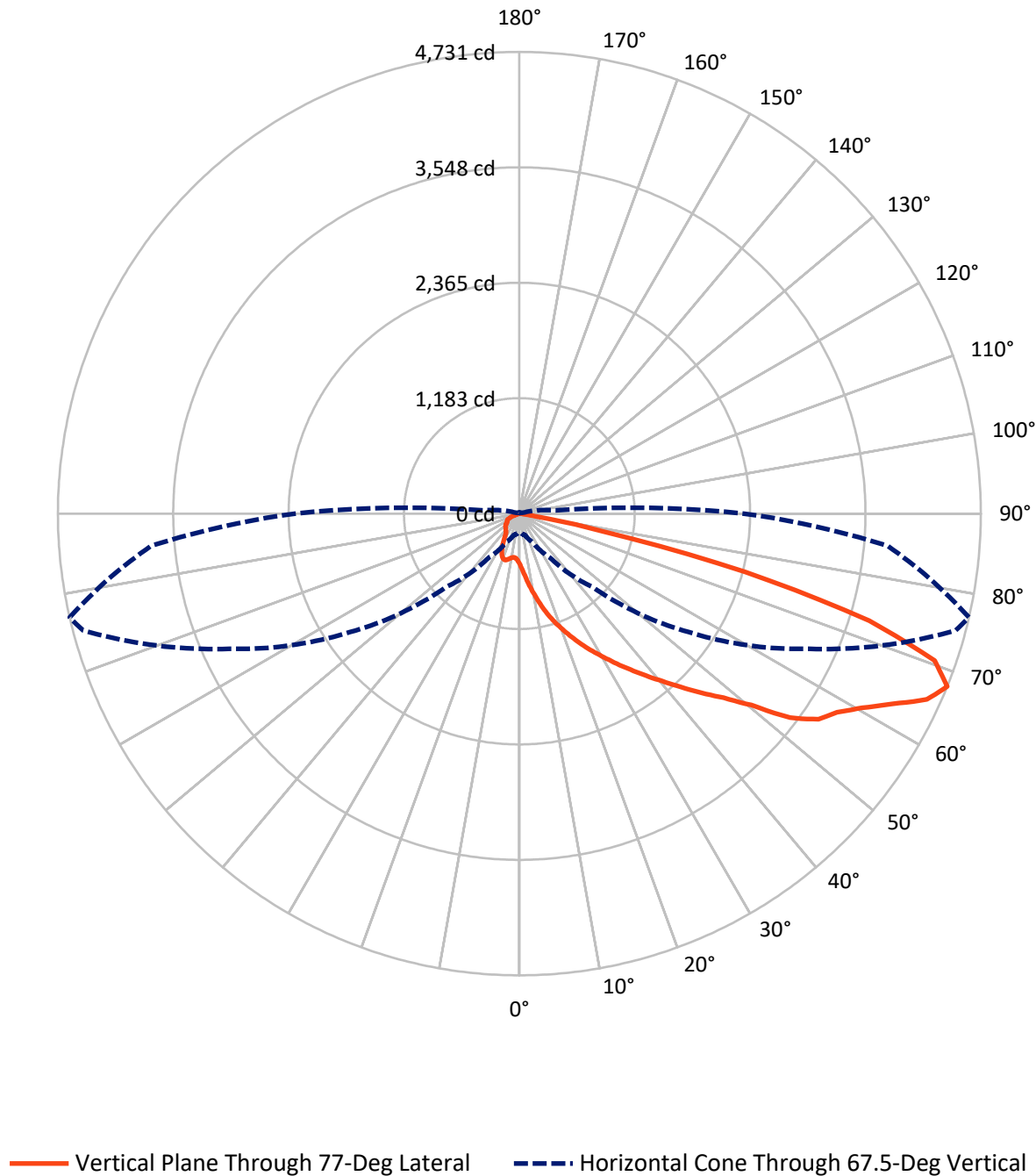
× Max cd
- - - 1/2 Max cd



Based on 15 foot mounting height. Maximum calculated value = 6.6 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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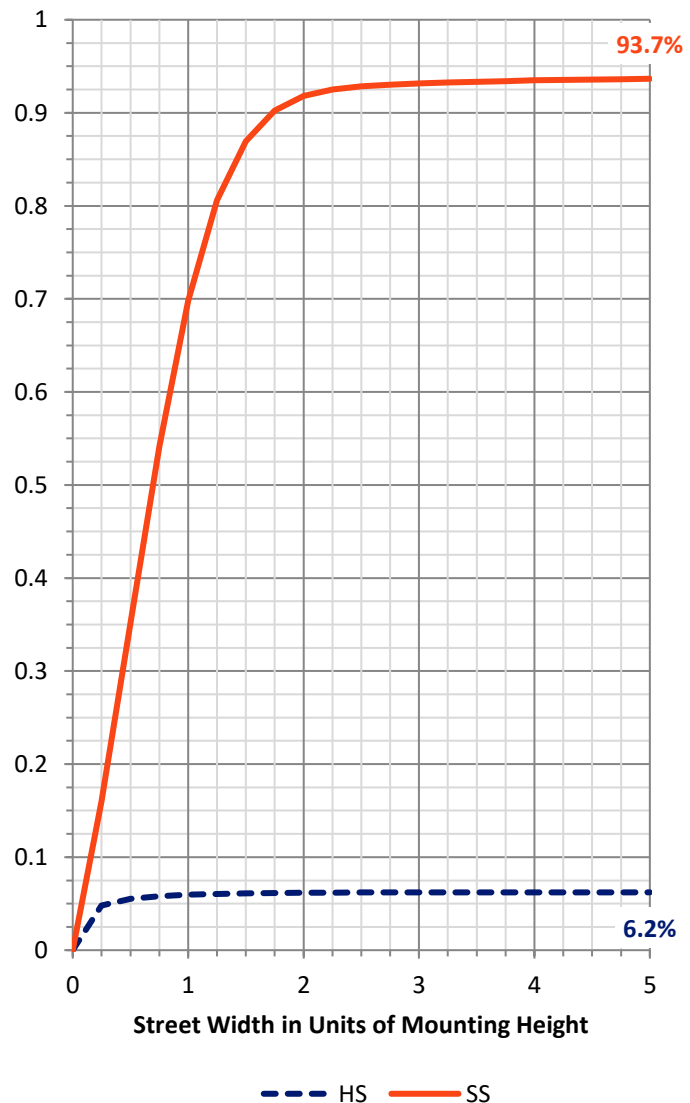
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	336.3	0.0	336.3
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	5045.3	0.0	5045.3
	% Fixture	93.8	0.0	93.8
Total	Lumens	5381.6	0.0	5381.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.6	1.1
10°-20°	224.0	4.2
20°-30°	437.7	8.1
30°-40°	765.2	14.2
40°-50°	1116.0	20.7
50°-60°	1304.9	24.2
60°-70°	1057.8	19.7
70°-80°	397.4	7.4
80°-90°	18.1	0.3
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°	5381.6	100.0
0°-180°	5381.6	100.0



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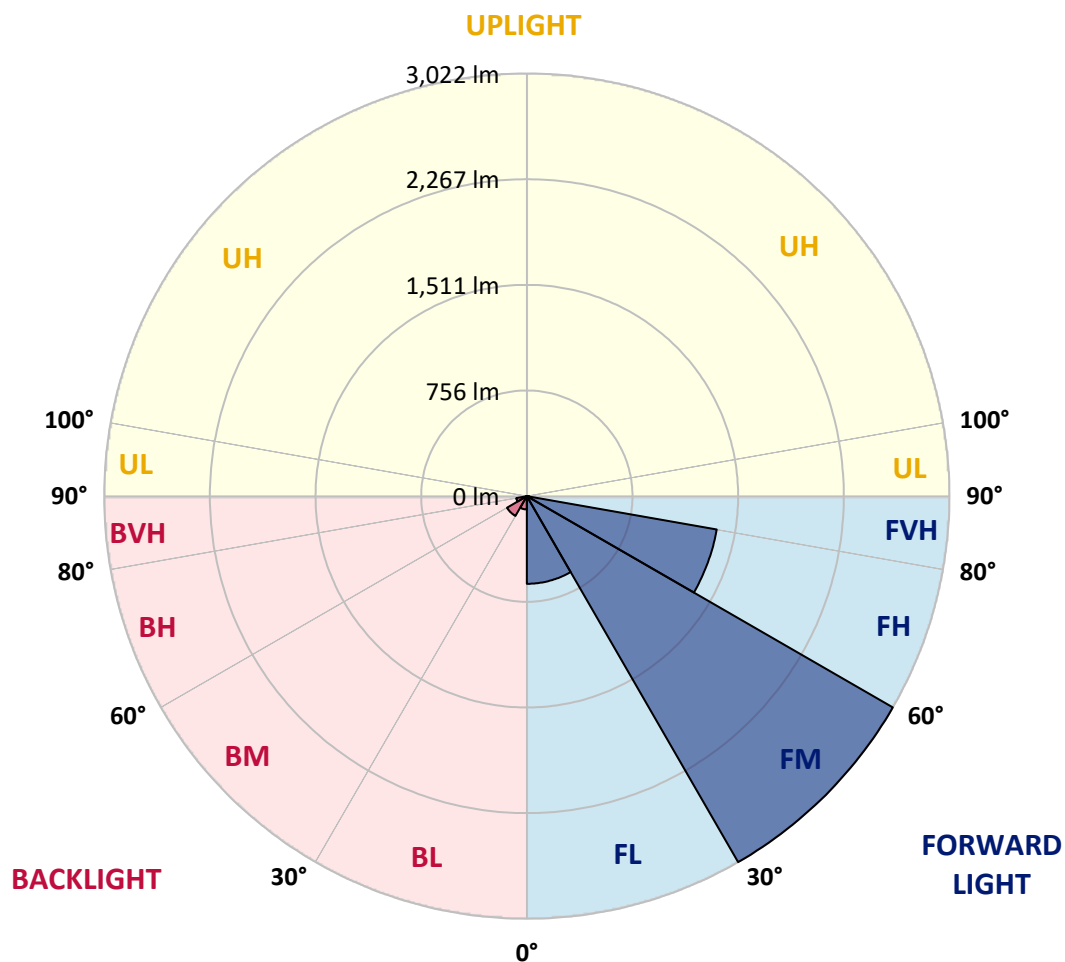
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	626.9	11.6			
FM	(30°-60°)	3022.5	56.2			
FH	(60°-80°)	1378.9	25.6			G1/1800
FVH	(80°-90°)	17.0	0.3			G1/100
BL	(0°-30°)	95.4	1.8	B0/110		
BM	(30°-60°)	163.6	3.0	B0/220		
BH	(60°-80°)	76.3	1.4	B0/110		G0/110
BVH	(80°-90°)	1.0	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5
2.5°	773.9	745.7	751.1	739.4	724.4	689.4	652.5	615.5	582.5	575.2	542.2
5°	991.1	982.3	973.1	965.3	933.8	890.0	823.5	738.9	662.7	649.5	581.0
7.5°	1159.7	1146.5	1154.8	1131.0	1098.0	1055.7	971.2	880.8	763.2	743.8	637.4
10°	1284.0	1276.7	1280.6	1269.5	1253.4	1211.2	1127.6	1014.4	878.4	841.4	700.6
12.5°	1377.3	1378.8	1395.8	1396.7	1383.6	1349.1	1260.7	1142.7	982.8	949.8	770.5
15°	1445.3	1446.8	1467.7	1490.0	1505.1	1487.1	1406.9	1274.8	1105.7	1060.6	843.9
17.5°	1456.5	1457.5	1494.4	1539.6	1586.2	1601.8	1540.1	1406.0	1218.0	1166.5	927.9
20°	1463.8	1472.0	1505.1	1557.1	1630.9	1679.0	1645.5	1531.8	1326.8	1267.0	1010.5
22.5°	1552.2	1552.2	1571.6	1608.6	1667.3	1742.6	1735.8	1647.4	1432.7	1373.4	1092.6
25°	1739.7	1739.7	1720.8	1711.1	1742.6	1801.9	1818.9	1770.8	1553.7	1483.7	1179.1
27.5°	1988.0	1988.0	1958.4	1886.9	1859.7	1884.5	1902.5	1878.2	1665.4	1596.4	1270.4
30°	2245.5	2254.2	2202.7	2111.9	2016.7	1997.7	1980.2	1974.9	1784.4	1706.7	1363.2
32.5°	2503.9	2503.0	2438.8	2325.6	2201.3	2134.2	2077.4	2071.1	1910.7	1834.5	1451.2
35°	2710.4	2710.9	2643.4	2527.3	2383.4	2297.9	2206.6	2177.0	2049.2	1964.2	1556.1
37.5°	2889.2	2879.0	2806.1	2695.8	2561.7	2473.3	2359.6	2282.4	2192.5	2106.0	1661.0
40°	2991.7	2978.1	2907.2	2802.2	2700.7	2633.2	2533.1	2409.7	2349.9	2256.6	1780.5
42.5°	3006.8	2995.1	2948.0	2884.8	2801.7	2742.5	2715.8	2553.5	2515.1	2430.6	1923.4
45°	2964.5	2945.5	2930.0	2897.0	2873.6	2845.0	2881.4	2706.5	2704.6	2620.5	2064.7
47.5°	2859.6	2833.8	2837.7	2874.1	2900.4	2926.1	3039.8	2907.2	2895.5	2816.8	2250.3
50°	2680.3	2667.7	2710.4	2782.3	2886.3	2989.3	3197.7	3112.2	3158.3	3084.5	2506.4
52.5°	2315.9	2331.5	2459.2	2632.2	2811.9	3018.9	3345.9	3418.3	3536.3	3475.6	2763.8
55°	1878.7	1872.8	2043.4	2350.4	2637.5	3000.0	3410.5	3598.5	3784.1	3720.4	2907.2
57.5°	1513.3	1523.5	1638.7	1942.3	2341.7	2853.7	3425.5	3692.7	3883.7	3841.4	3039.8
60°	1135.9	1145.6	1250.5	1514.8	1948.2	2548.6	3301.2	3725.8	4070.7	4038.6	3251.6
62.5°	722.9	735.5	841.0	1098.0	1489.0	2074.5	3021.8	3691.3	4266.0	4292.7	3540.7
65°	355.6	366.8	444.5	641.3	995.5	1551.2	2632.2	3559.6	4514.8	4591.0	3772.4
67.5°	196.8	202.1	228.8	326.5	555.3	1064.0	2115.3	3278.3	4628.9	4730.9	3788.0
70°	153.0	154.5	164.7	190.4	270.6	624.3	1504.6	2810.0	4392.3	4515.7	3472.7
72.5°	128.7	130.7	135.5	144.3	169.1	325.0	945.4	2171.6	3695.7	3751.5	2686.6
75°	94.2	97.2	110.8	118.5	133.6	197.2	416.8	1304.9	2442.2	2387.3	1503.1
77.5°	79.2	81.6	85.0	96.2	110.3	134.6	146.2	547.0	994.0	864.3	394.5
80°	53.9	56.8	66.1	71.9	93.3	88.9	60.7	146.7	199.7	162.8	75.8
82.5°	38.4	40.8	45.7	58.8	67.5	47.1	33.0	44.7	48.1	45.7	24.8
85°	12.1	15.5	33.0	48.6	36.4	16.0	20.9	17.0	15.1	14.6	9.7
87.5°	2.4	2.4	16.5	19.4	14.6	8.3	7.3	5.3	6.8	6.8	5.3
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°	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5	515.5
2.5°	526.6	504.8	473.2	443.6	413.4	392.1	377.0	361.9	356.1	353.7	347.4
5°	550.0	508.2	445.5	395.0	358.1	334.7	320.6	308.5	300.7	298.3	294.9
7.5°	583.5	523.2	433.4	375.1	338.1	312.9	290.0	263.8	242.9	234.7	231.3
10°	619.9	546.1	435.3	371.2	322.1	266.7	215.7	173.4	155.0	148.2	143.3
12.5°	673.4	571.3	443.6	366.8	274.0	190.4	138.0	120.5	116.1	115.1	114.2
15°	726.8	606.8	457.2	337.6	204.5	129.7	114.7	108.3	105.9	103.5	103.5
17.5°	780.7	640.8	462.5	280.8	141.4	112.2	104.5	99.1	95.2	93.3	91.8
20°	841.4	676.8	447.0	211.3	113.2	102.5	93.8	87.4	84.0	82.1	80.6
22.5°	907.0	712.2	412.9	147.2	103.0	92.3	84.0	77.7	74.3	72.4	71.9
25°	968.7	742.8	358.5	110.8	92.8	82.6	74.8	69.5	67.0	65.1	64.6
27.5°	1032.4	769.1	287.6	97.7	84.5	74.8	67.0	62.7	60.2	58.8	58.3
30°	1094.6	787.0	214.2	89.4	77.2	67.5	60.7	57.3	54.9	53.4	53.0
32.5°	1158.7	797.2	144.8	82.1	70.0	61.2	55.4	52.0	50.5	49.1	49.1
35°	1220.4	795.8	104.5	75.3	64.1	55.4	50.0	47.6	47.1	45.7	45.7
37.5°	1287.9	785.6	88.9	69.0	57.8	50.0	45.7	44.2	43.7	42.8	42.3
40°	1364.7	762.7	81.1	64.1	52.5	45.7	41.8	40.8	40.3	39.4	39.4
42.5°	1448.7	733.1	76.8	58.8	48.1	41.3	38.4	36.9	36.4	35.5	35.5
45°	1546.4	704.9	73.8	53.4	44.2	37.9	35.0	33.5	33.0	32.1	32.1
47.5°	1679.5	688.9	69.0	48.6	39.8	34.5	31.6	30.6	29.6	28.7	28.7
50°	1862.6	670.0	62.7	43.7	36.4	31.1	29.1	27.7	27.2	26.2	26.2
52.5°	2013.3	629.6	56.4	38.9	32.6	28.7	26.7	25.7	24.8	24.3	24.3
55°	2066.2	582.5	50.0	35.0	29.6	26.7	24.8	23.8	23.3	22.8	22.8
57.5°	2150.7	567.4	44.2	31.1	26.7	24.8	22.8	22.3	21.9	21.4	20.9
60°	2295.0	576.2	38.9	27.7	24.3	22.3	20.9	20.4	19.4	18.5	18.5
62.5°	2434.9	565.5	33.0	24.3	20.9	19.9	18.5	17.5	15.5	14.1	13.1
65°	2469.0	494.1	28.7	20.4	17.5	16.5	15.1	13.1	10.2	8.3	8.3
67.5°	2304.3	375.5	24.8	17.5	14.6	13.6	10.7	8.7	6.3	4.9	4.9
70°	1901.5	238.1	20.4	13.6	12.1	9.2	6.8	6.3	4.4	3.9	3.4
72.5°	1372.0	130.2	17.0	11.2	8.7	5.8	4.9	3.9	2.9	1.9	1.9
75°	694.7	61.2	12.6	8.7	5.8	3.9	2.9	1.9	1.9	1.5	1.5
77.5°	196.8	28.2	8.3	5.8	3.9	2.4	1.9	1.5	1.5	1.0	1.0
80°	38.9	14.1	5.3	3.9	2.9	1.9	1.5	1.0	1.0	0.5	0.5
82.5°	14.1	7.3	3.9	2.9	2.4	1.9	1.0	0.5	0.5	0.0	0.0
85°	7.3	3.9	2.9	2.4	1.9	1.5	1.0	0.5	0.0	0.0	0.0
87.5°	3.9	2.9	2.4	2.4	1.9	1.5	1.0	0.5	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

(END OF REPORT)