

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: P674540

Luminaire Tested: **CCP-SA-1E-730-U-T2R-HSS**

Issue Date: 04/16/2023

Test Information

Test Method: LM-79-08
Report Number: P674540
Test Lab: INNOVATION CENTER(G2)
Issue Date: 04/16/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: CCP-SA-1E-730-U-T2R-HSS
Description: INVUE CLEAR CURVE POLE MOUNT Light Square Luminaire @1050mA w/ T2R
distribution lens and House Side Shield
Light Source: (16) 3000K CCT, 70 CRI LEDs
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5041.1 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 56.1
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

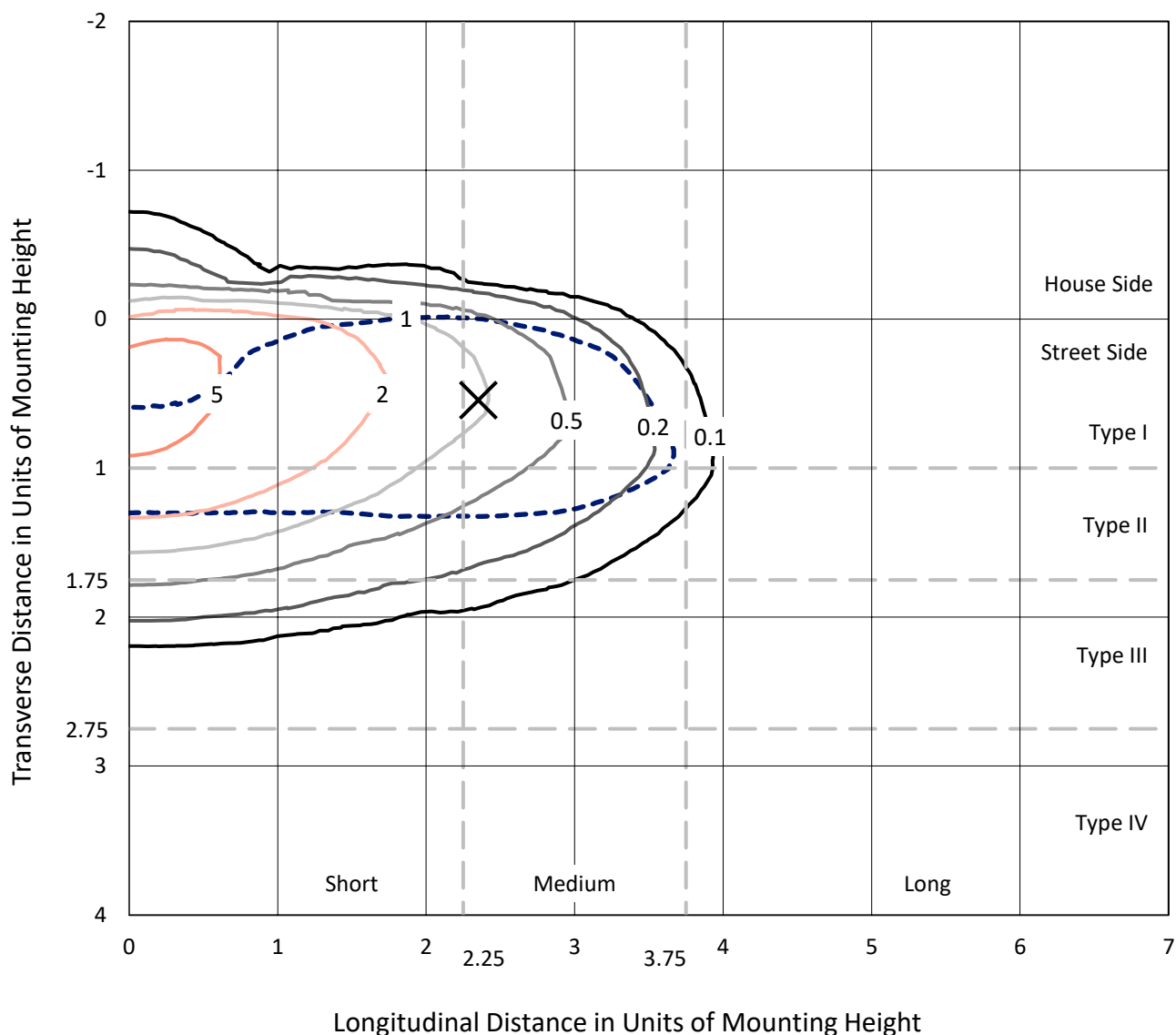
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

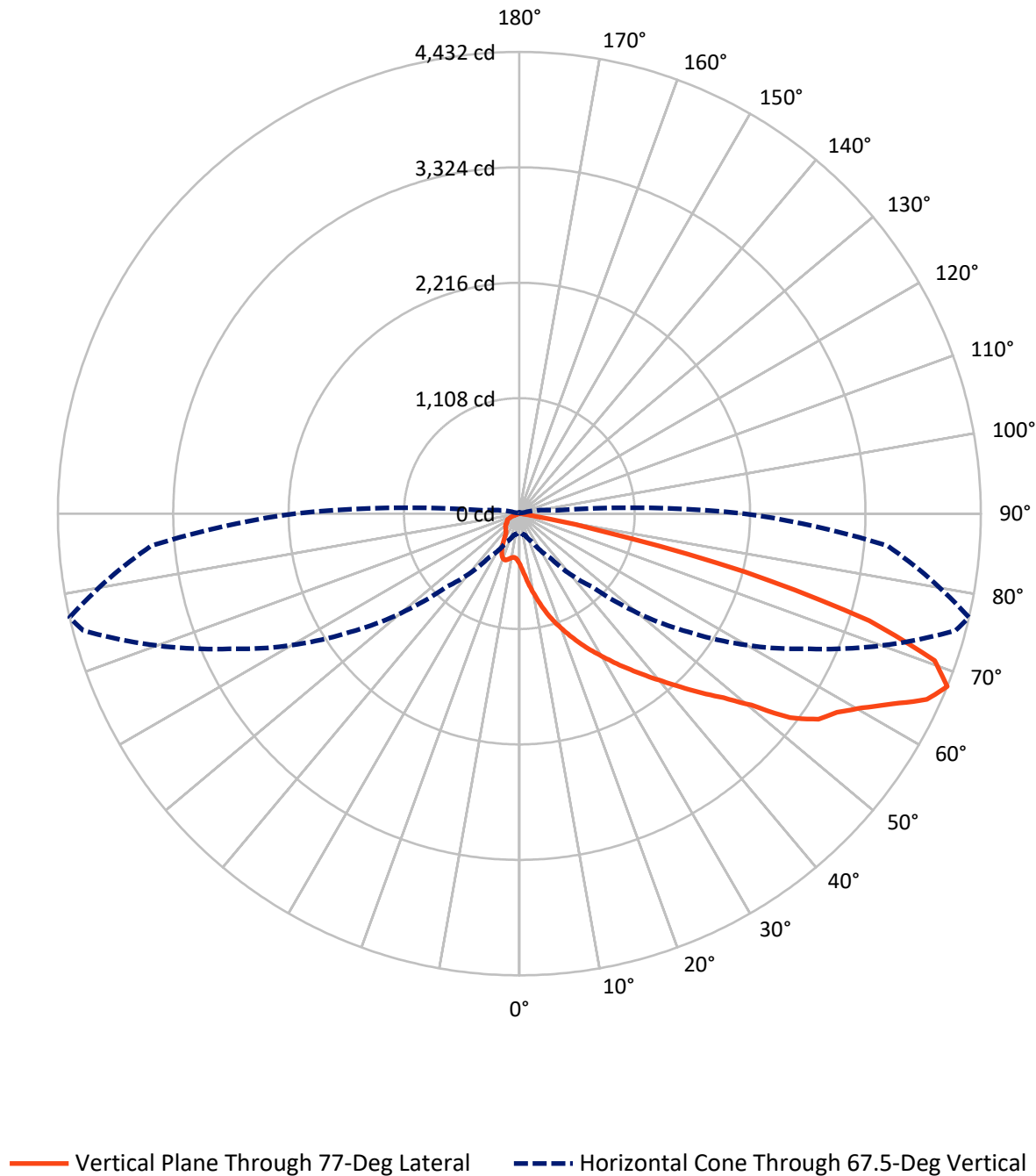


Based on 15 foot mounting height. Maximum calculated value = 6.2 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



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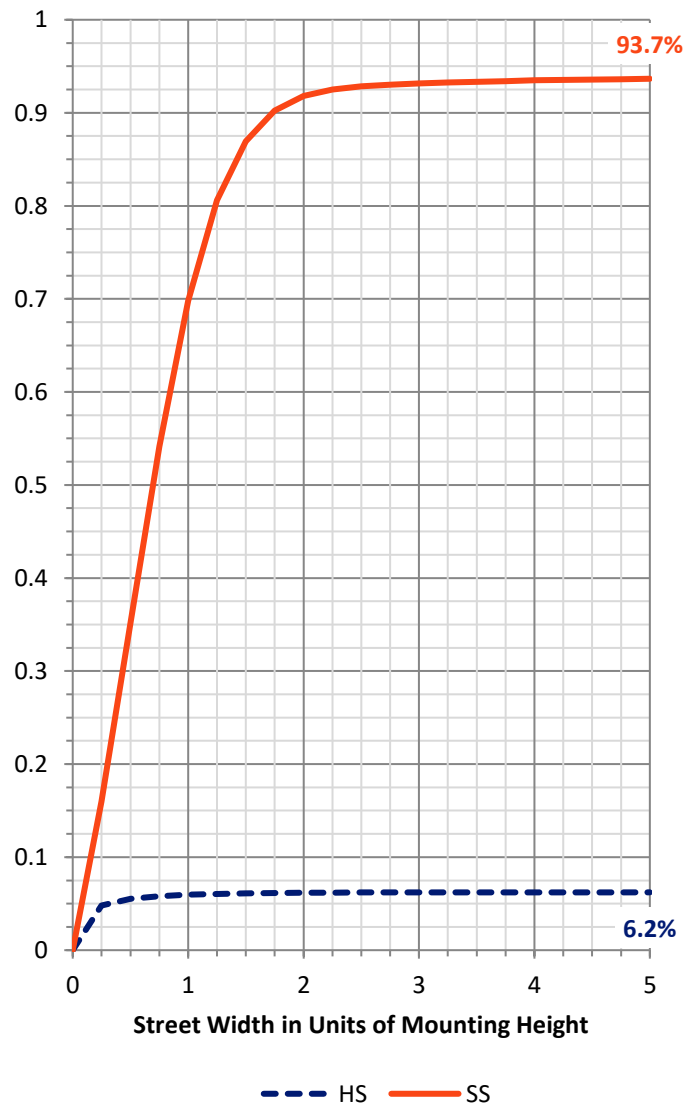
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	315.0	0.0	315.0
	% Fixture	6.2	0.0	6.2
Street Side	Lumens	4726.0	0.0	4726.0
	% Fixture	93.8	0.0	93.8
Total	Lumens	5041.1	0.0	5041.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.7	1.1
10°-20°	209.8	4.2
20°-30°	410.0	8.1
30°-40°	716.8	14.2
40°-50°	1045.3	20.7
50°-60°	1222.3	24.2
60°-70°	990.9	19.7
70°-80°	372.2	7.4
80°-90°	16.9	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°	5041.1	100.0
0°-180°	5041.1	100.0

Coefficient of Utilization



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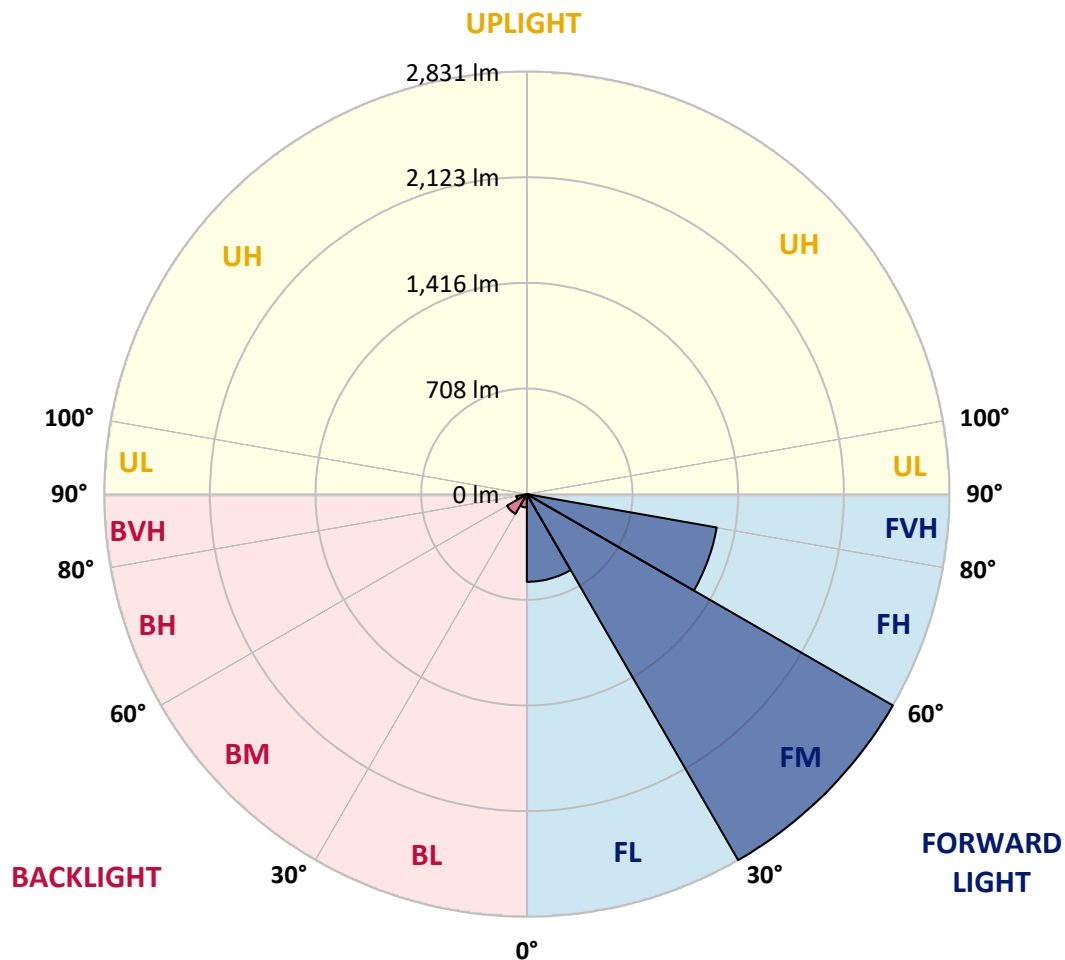
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	587.2	11.6			
FM	(30°-60°)	2831.2	56.2			
FH	(60°-80°)	1291.7	25.6			G1/1800
FVH	(80°-90°)	15.9	0.3			G1/100
BL	(0°-30°)	89.3	1.8	B0/110		
BM	(30°-60°)	153.3	3.0	B0/220		
BH	(60°-80°)	71.4	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°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	724.9	698.5	703.5	692.6	678.5	645.8	611.2	576.6	545.6	538.8	507.9
5°	928.4	920.2	911.5	904.2	874.7	833.7	771.4	692.2	620.7	608.4	544.3
7.5°	1086.3	1074.0	1081.7	1059.4	1028.5	988.9	909.7	825.1	714.9	696.7	597.1
10°	1202.8	1195.9	1199.6	1189.1	1174.1	1134.5	1056.2	950.2	822.8	788.2	656.2
12.5°	1290.1	1291.5	1307.4	1308.3	1296.1	1263.8	1180.9	1070.3	920.6	889.7	721.8
15°	1353.9	1355.2	1374.8	1395.7	1409.8	1393.0	1317.9	1194.1	1035.8	993.4	790.5
17.5°	1364.3	1365.2	1399.8	1442.1	1485.8	1500.4	1442.6	1317.0	1140.9	1092.6	869.2
20°	1371.1	1378.9	1409.8	1458.5	1527.7	1572.7	1541.3	1434.9	1242.8	1186.8	946.6
22.5°	1454.0	1454.0	1472.2	1506.8	1561.8	1632.4	1626.0	1543.2	1342.0	1286.5	1023.5
25°	1629.6	1629.6	1611.9	1602.8	1632.4	1687.9	1703.8	1658.8	1455.3	1389.8	1104.5
27.5°	1862.2	1862.2	1834.4	1767.5	1742.0	1765.2	1782.1	1759.3	1560.0	1495.4	1190.0
30°	2103.4	2111.6	2063.3	1978.2	1889.0	1871.3	1854.9	1849.9	1671.5	1598.7	1276.9
32.5°	2345.5	2344.6	2284.5	2178.5	2062.0	1999.2	1945.9	1940.0	1789.8	1718.4	1359.3
35°	2538.9	2539.3	2476.1	2367.3	2232.6	2152.5	2067.0	2039.2	1919.5	1839.9	1457.6
37.5°	2706.3	2696.8	2628.5	2525.2	2399.6	2316.8	2210.3	2138.0	2053.8	1972.8	1555.9
40°	2802.4	2789.6	2723.2	2624.9	2529.8	2466.5	2372.8	2257.2	2201.2	2113.8	1667.9
42.5°	2816.5	2805.6	2761.4	2702.3	2624.4	2568.9	2543.9	2391.9	2355.9	2276.8	1801.7
45°	2776.9	2759.1	2744.6	2713.6	2691.8	2664.9	2699.1	2535.2	2533.4	2454.7	1934.1
47.5°	2678.6	2654.5	2658.1	2692.2	2716.8	2740.9	2847.4	2723.2	2712.3	2638.5	2107.9
50°	2510.7	2498.8	2538.9	2606.2	2703.6	2800.1	2995.3	2915.2	2958.5	2889.3	2347.7
52.5°	2169.4	2183.9	2303.6	2465.6	2634.0	2827.9	3134.1	3201.9	3312.5	3255.6	2588.9
55°	1759.8	1754.3	1914.1	2201.7	2470.6	2810.1	3194.6	3370.8	3544.6	3485.0	2723.2
57.5°	1417.6	1427.1	1535.0	1819.4	2193.5	2673.1	3208.8	3459.0	3637.9	3598.3	2847.4
60°	1064.0	1073.1	1171.4	1418.9	1824.9	2387.3	3092.3	3490.0	3813.1	3783.1	3045.8
62.5°	677.2	689.0	787.7	1028.5	1394.8	1943.2	2830.6	3457.7	3996.0	4021.1	3316.6
65°	333.1	343.6	416.4	600.7	932.5	1453.1	2465.6	3334.4	4229.0	4300.5	3533.7
67.5°	184.3	189.3	214.3	305.8	520.2	996.6	1981.4	3070.9	4336.0	4431.5	3548.2
70°	143.3	144.7	154.3	178.4	253.5	584.8	1409.4	2632.2	4114.4	4229.9	3252.9
72.5°	120.6	122.4	127.0	135.2	158.4	304.4	885.6	2034.2	3461.8	3514.1	2516.6
75°	88.3	91.0	103.8	111.0	125.1	184.8	390.5	1222.3	2287.7	2236.3	1408.0
77.5°	74.2	76.5	79.6	90.1	103.3	126.1	137.0	512.4	931.1	809.6	369.5
80°	50.5	53.2	61.9	67.4	87.4	83.3	56.9	137.4	187.0	152.5	71.0
82.5°	36.0	38.2	42.8	55.1	63.3	44.1	30.9	41.9	45.1	42.8	23.2
85°	11.4	14.6	30.9	45.5	34.1	15.0	19.6	15.9	14.1	13.7	9.1
87.5°	2.3	2.3	15.5	18.2	13.7	7.7	6.8	5.0	6.4	6.4	5.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8	482.8
2.5°	493.3	472.8	443.2	415.5	387.3	367.2	353.1	339.0	333.6	331.3	325.4
5°	515.1	476.0	417.3	370.0	335.4	313.5	300.4	289.0	281.7	279.4	276.2
7.5°	546.5	490.1	405.9	351.3	316.7	293.1	271.7	247.1	227.5	219.8	216.6
10°	580.7	511.5	407.7	347.7	301.7	249.8	202.1	162.5	145.2	138.8	134.2
12.5°	630.7	535.2	415.5	343.6	256.7	178.4	129.2	112.9	108.8	107.9	106.9
15°	680.8	568.4	428.2	316.3	191.6	121.5	107.4	101.5	99.2	96.9	96.9
17.5°	731.3	600.2	433.2	263.0	132.4	105.1	97.8	92.8	89.2	87.4	86.0
20°	788.2	633.9	418.7	198.0	106.0	96.0	87.8	81.9	78.7	76.9	75.5
22.5°	849.6	667.1	386.8	137.9	96.5	86.5	78.7	72.8	69.6	67.8	67.4
25°	907.4	695.8	335.8	103.8	86.9	77.4	70.1	65.1	62.8	61.0	60.5
27.5°	967.0	720.4	269.4	91.5	79.2	70.1	62.8	58.7	56.4	55.1	54.6
30°	1025.3	737.2	200.7	83.7	72.4	63.3	56.9	53.7	51.4	50.1	49.6
32.5°	1085.4	746.8	135.6	76.9	65.5	57.3	51.9	48.7	47.3	46.0	46.0
35°	1143.2	745.4	97.8	70.5	60.1	51.9	46.9	44.6	44.1	42.8	42.8
37.5°	1206.4	735.9	83.3	64.6	54.2	46.9	42.8	41.4	41.0	40.0	39.6
40°	1278.3	714.5	76.0	60.1	49.1	42.8	39.1	38.2	37.8	36.9	36.9
42.5°	1357.0	686.7	71.9	55.1	45.1	38.7	36.0	34.6	34.1	33.2	33.2
45°	1448.5	660.3	69.2	50.1	41.4	35.5	32.8	31.4	30.9	30.0	30.0
47.5°	1573.2	645.3	64.6	45.5	37.3	32.3	29.6	28.7	27.8	26.8	26.8
50°	1744.8	627.6	58.7	41.0	34.1	29.1	27.3	25.9	25.5	24.6	24.6
52.5°	1885.8	589.8	52.8	36.4	30.5	26.8	25.0	24.1	23.2	22.8	22.8
55°	1935.4	545.6	46.9	32.8	27.8	25.0	23.2	22.3	21.8	21.4	21.4
57.5°	2014.6	531.5	41.4	29.1	25.0	23.2	21.4	20.9	20.5	20.0	19.6
60°	2149.8	539.7	36.4	25.9	22.8	20.9	19.6	19.1	18.2	17.3	17.3
62.5°	2280.8	529.7	30.9	22.8	19.6	18.7	17.3	16.4	14.6	13.2	12.3
65°	2312.7	462.8	26.8	19.1	16.4	15.5	14.1	12.3	9.6	7.7	7.7
67.5°	2158.4	351.8	23.2	16.4	13.7	12.7	10.0	8.2	5.9	4.6	4.6
70°	1781.2	223.0	19.1	12.7	11.4	8.6	6.4	5.9	4.1	3.6	3.2
72.5°	1285.1	122.0	15.9	10.5	8.2	5.5	4.6	3.6	2.7	1.8	1.8
75°	650.8	57.3	11.8	8.2	5.5	3.6	2.7	1.8	1.8	1.4	1.4
77.5°	184.3	26.4	7.7	5.5	3.6	2.3	1.8	1.4	1.4	0.9	0.9
80°	36.4	13.2	5.0	3.6	2.7	1.8	1.4	0.9	0.9	0.5	0.5
82.5°	13.2	6.8	3.6	2.7	2.3	1.8	0.9	0.5	0.5	0.0	0.0
85°	6.8	3.6	2.7	2.3	1.8	1.4	0.9	0.5	0.0	0.0	0.0
87.5°	3.6	2.7	2.3	2.3	1.8	1.4	0.9	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)