

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: STREETWORKS

Report Number: P598414

Luminaire Tested: **PMM-SA3A-835-U-RW**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P598414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1910-543-7)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: PMM-SA3A-835-U-RW  
Description: MESA POST TOP DECORATIVE LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS.  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 9931 lumens  
Efficiency: N/A  
Efficacy: 103.4 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G3

Input Watts (W): 96  
Input Voltage (V): NR  
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: 28.75 FT

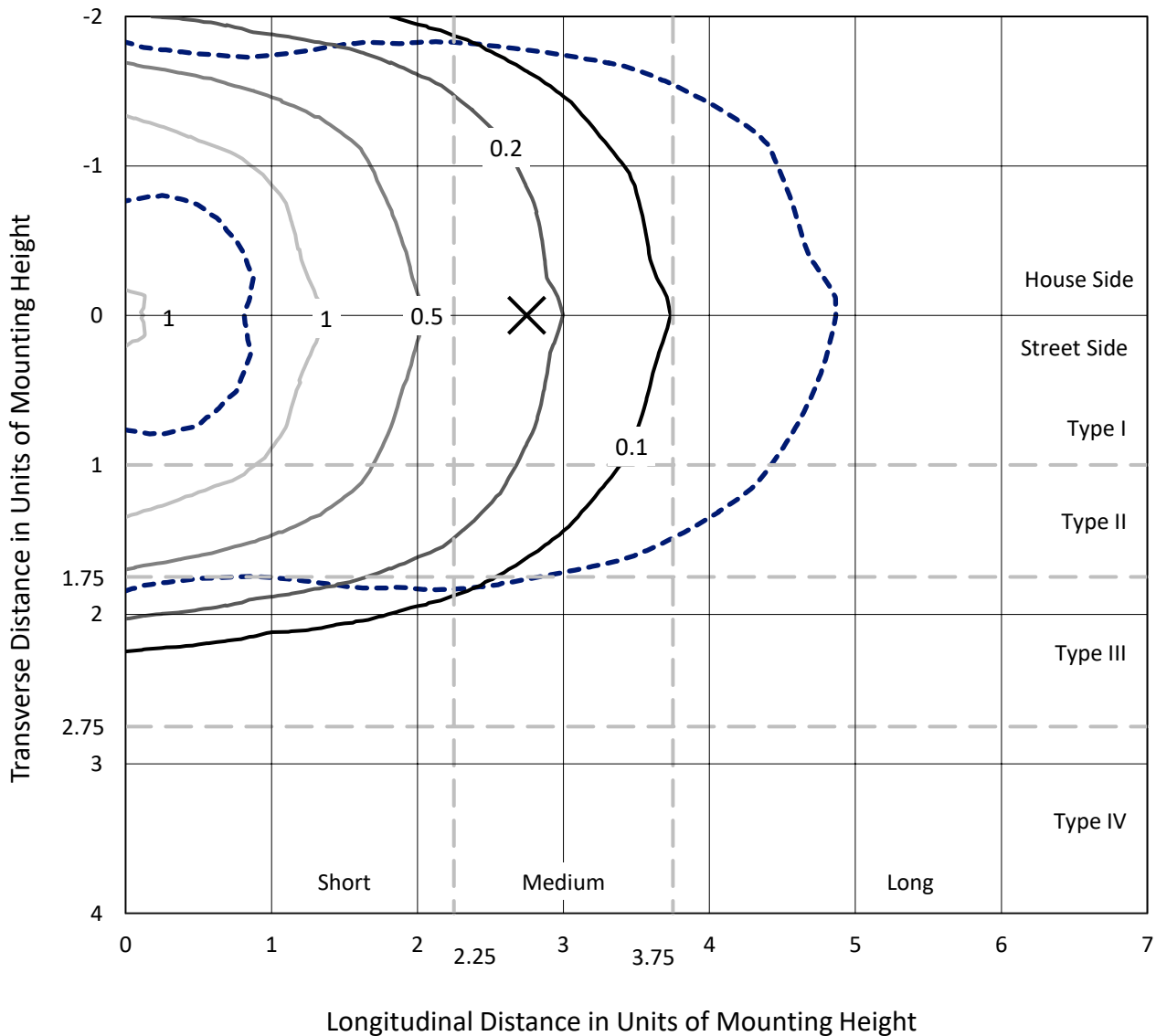


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### Iso-Footcandle Lines of Horizontal Illumination

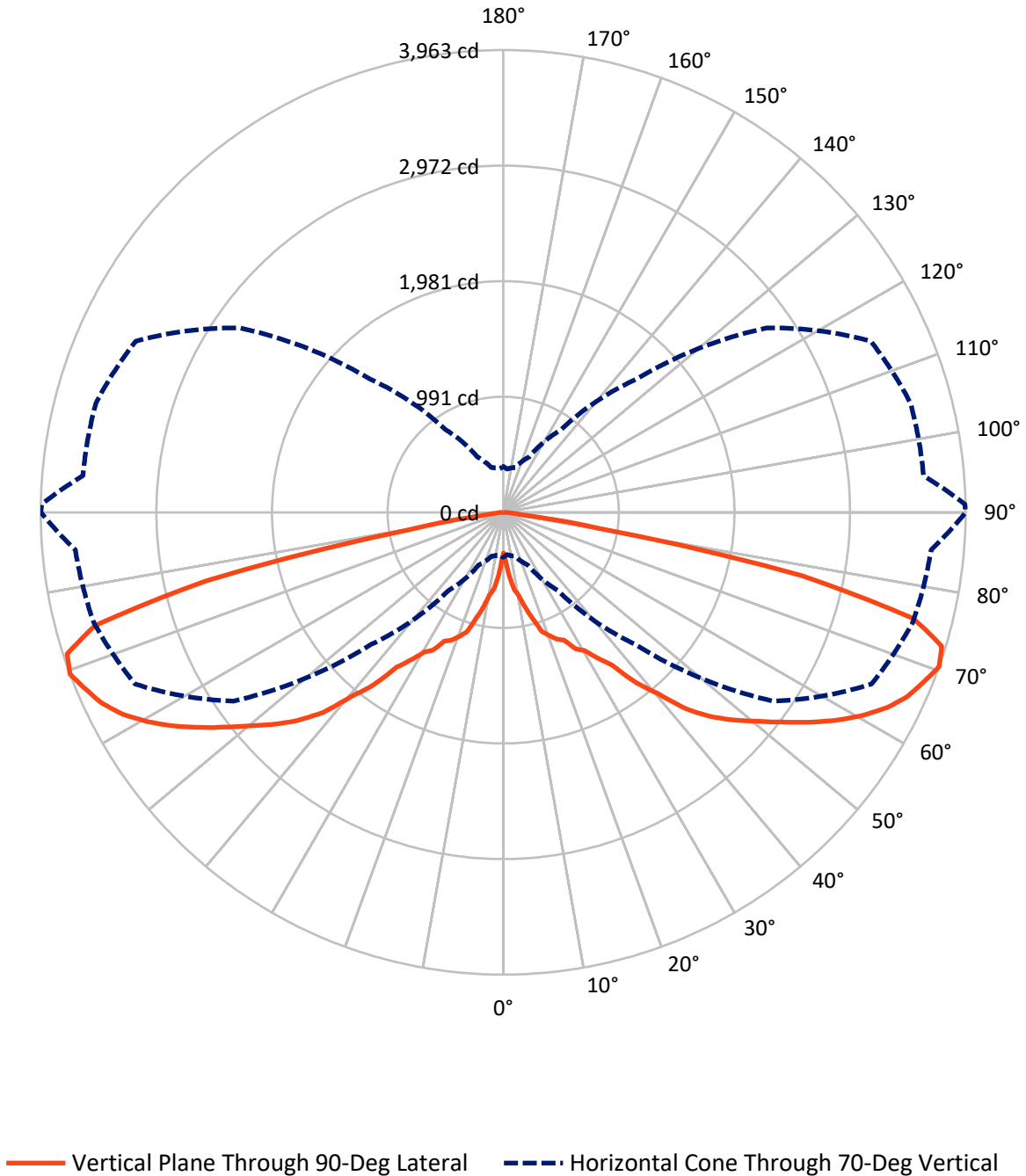
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



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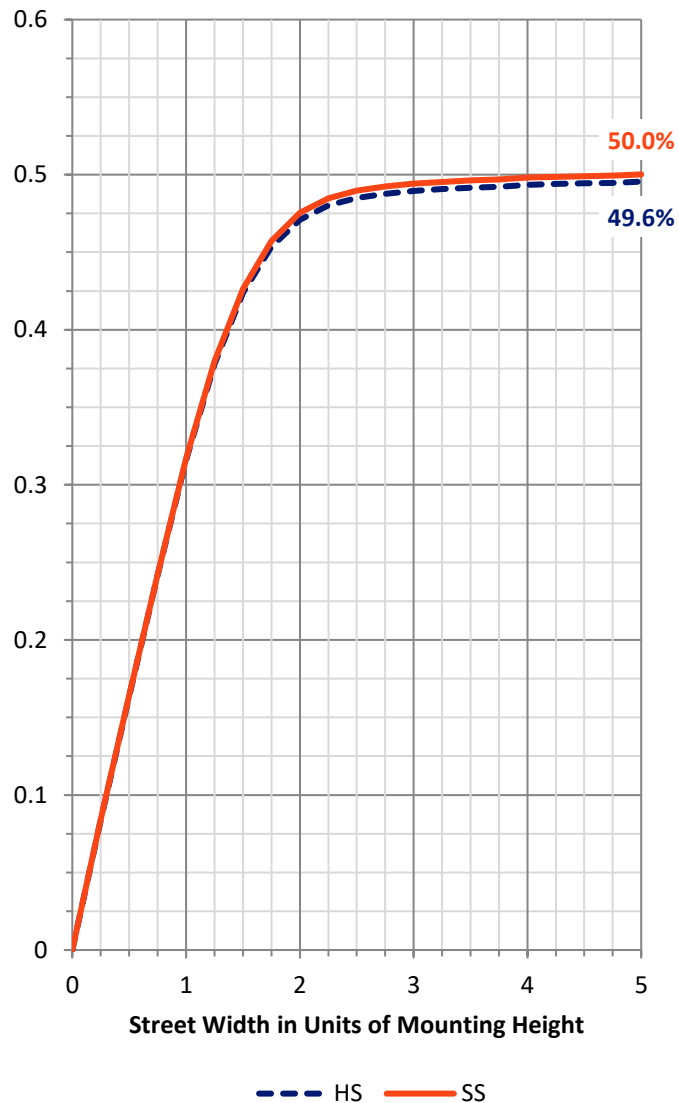
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4947.1	0.0	4947.1
	% Fixture	49.8	0.0	49.8
<b>Street Side</b>	Lumens	4983.9	0.0	4983.9
	% Fixture	50.2	0.0	50.2
<b>Total</b>	Lumens	9931.0	0.0	9931.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.6	0.5
10°-20°	241.0	2.4
20°-30°	521.0	5.2
30°-40°	994.1	10.0
40°-50°	1806.0	18.2
50°-60°	2536.9	25.5
60°-70°	2422.3	24.4
70°-80°	1243.1	12.5
80°-90°	114.0	1.1
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°	9931.0	100.0
0°-180°	9931.0	100.0

**Coefficient of Utilization**



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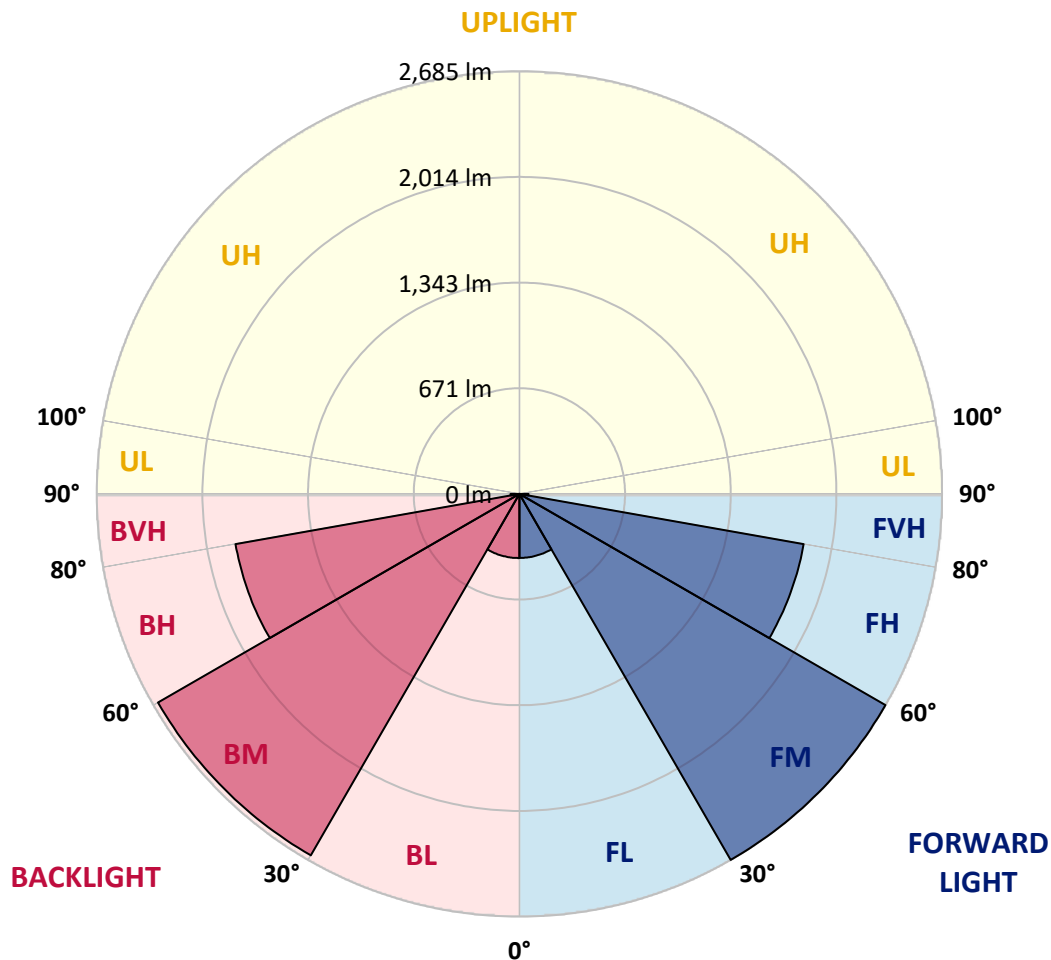
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	406.9	4.1			
FM (30°-60°)	2685.5	27.0			
FH (60°-80°)	1833.7	18.5			G2/5000
FVH (80°-90°)	57.8	0.6			G1/100
BL (0°-30°)	407.7	4.1	B1/500		
BM (30°-60°)	2651.6	26.7	B3/5000		
BH (60°-80°)	1831.7	18.4	B3/2500		G3/2500
BVH (80°-90°)	56.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G3**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6
2.5°	422.2	406.5	386.8	398.5	403.3	411.7	410.5	406.5	389.2	418.2	421.4
5°	528.5	503.5	494.3	492.6	495.1	487.0	513.2	505.5	519.6	545.8	551.8
7.5°	601.7	583.2	563.5	569.5	544.6	540.9	574.8	604.9	612.6	660.5	663.7
10°	636.3	618.2	623.5	619.8	617.0	640.4	656.1	678.2	710.0	714.4	721.3
12.5°	665.7	673.0	695.9	695.1	732.9	774.4	768.4	791.3	796.5	852.1	835.2
15°	740.2	755.1	753.5	767.5	784.0	852.1	852.5	891.5	927.3	949.1	943.4
17.5°	849.3	854.5	832.8	833.6	881.5	909.2	940.2	933.4	1026.7	1069.4	1072.2
20°	914.5	927.7	902.8	869.8	954.7	992.9	1010.2	970.4	1070.2	1127.8	1127.8
22.5°	1028.4	994.1	956.3	934.2	1009.0	1049.7	1047.7	1036.4	1089.5	1191.4	1181.7
25°	1091.1	1071.8	1052.9	1058.5	1096.4	1117.3	1145.1	1118.9	1168.8	1244.5	1212.7
27.5°	1210.3	1174.5	1081.5	1155.5	1155.5	1139.8	1198.6	1211.1	1178.5	1301.6	1325.4
30°	1345.1	1332.6	1201.0	1279.5	1255.4	1211.1	1323.8	1315.7	1261.0	1386.6	1375.7
32.5°	1472.7	1513.8	1389.0	1345.9	1382.1	1399.1	1339.9	1364.0	1374.5	1495.6	1490.4
35°	1668.3	1702.9	1537.5	1526.6	1466.3	1450.6	1495.6	1503.7	1504.5	1632.1	1608.7
37.5°	2006.8	1956.9	1793.5	1716.6	1723.5	1704.5	1713.4	1649.8	1658.7	1843.8	1855.5
40°	2254.3	2198.0	2016.1	1960.9	1825.7	1906.6	1834.9	1828.5	1810.8	2050.7	2044.2
42.5°	2527.6	2450.4	2249.1	2175.5	2031.8	1998.8	1965.8	2040.2	2035.4	2257.6	2306.7
45°	2734.1	2577.9	2472.9	2427.0	2340.9	2260.0	2228.6	2262.0	2246.7	2411.7	2497.4
47.5°	2864.5	2728.9	2608.1	2511.5	2429.0	2627.4	2468.5	2423.8	2392.8	2577.5	2660.1
50°	2968.4	2811.8	2669.3	2637.1	2702.3	2877.8	2627.0	2528.4	2566.3	2702.3	2814.6
52.5°	2996.5	2830.7	2702.7	2682.2	2858.5	2890.3	2849.6	2683.8	2673.7	2852.0	2987.7
55°	2910.4	2751.4	2690.6	2802.9	2997.7	2971.2	3033.2	2927.3	2856.1	3005.0	3175.6
57.5°	2688.6	2530.9	2516.4	2678.2	2923.7	3149.9	3180.5	3096.8	3003.4	3161.1	3362.4
60°	2324.4	2180.3	2216.9	2395.6	2765.9	3087.9	3250.5	3174.0	3145.1	3302.0	3535.5
62.5°	1757.3	1645.0	1742.8	1991.9	2477.7	3007.8	3347.1	3335.0	3293.2	3451.7	3688.4
65°	1120.5	1061.4	1161.2	1414.3	2030.6	2862.1	3393.4	3409.5	3448.1	3567.3	3806.7
67.5°	651.2	619.8	680.6	887.9	1446.1	2350.1	3307.3	3538.3	3558.4	3626.8	3884.4
70°	385.2	364.7	389.6	498.7	818.7	1601.1	2821.0	3481.9	3634.1	3681.6	3962.9
72.5°	293.8	274.5	263.6	295.0	427.4	827.1	1907.4	2951.5	3573.3	3645.3	3929.9
75°	254.0	235.5	222.6	225.4	254.4	392.8	1034.0	2111.1	3044.8	3319.3	3630.0
77.5°	218.1	201.6	192.4	191.6	195.2	215.7	432.3	1144.7	1907.0	2386.0	2617.0
80°	174.7	161.8	159.8	159.8	154.6	152.9	214.9	435.5	725.7	860.5	825.1
82.5°	127.6	114.7	127.6	126.0	117.9	111.5	136.8	188.4	223.8	176.7	139.7
85°	86.1	74.5	84.1	85.7	78.1	58.0	82.1	94.2	96.6	60.4	49.9
87.5°	30.2	29.4	47.5	41.5	33.8	19.7	30.2	32.6	34.2	21.3	14.5
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):**

	91°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6	348.6
2.5°	422.6	417.8	393.6	397.3	406.5	410.9	415.4	397.3	388.4	416.6	413.8
5°	553.4	535.7	516.0	513.2	514.4	497.1	507.1	502.7	504.7	522.8	526.5
7.5°	662.9	641.6	615.4	594.9	559.5	531.3	555.0	567.1	570.7	602.9	615.0
10°	722.1	704.0	696.3	657.7	646.0	642.4	636.7	617.4	638.8	631.1	637.1
12.5°	838.0	834.4	794.5	769.2	771.6	778.4	743.0	723.7	695.9	739.4	723.7
15°	936.6	952.3	912.4	866.2	843.2	854.9	827.9	799.7	774.8	788.1	771.2
17.5°	1062.6	1062.2	984.5	935.0	933.0	932.2	892.3	830.3	860.1	850.9	851.7
20°	1129.4	1118.5	1021.9	964.8	1013.5	996.2	960.3	880.6	915.3	926.5	933.8
22.5°	1185.3	1179.3	1062.2	1020.3	1051.7	1052.1	1016.3	974.4	970.0	1005.0	986.1
25°	1224.4	1248.5	1138.2	1128.2	1141.9	1128.2	1093.2	1065.8	1048.1	1100.4	1048.1
27.5°	1316.9	1282.7	1149.9	1207.1	1215.5	1146.7	1190.6	1158.4	1109.3	1174.1	1195.4
30°	1383.0	1403.1	1232.0	1318.2	1308.1	1244.5	1262.6	1261.4	1202.6	1329.0	1314.1
32.5°	1496.5	1472.3	1366.0	1359.2	1383.4	1380.5	1349.9	1364.8	1379.3	1471.1	1493.2
35°	1612.8	1638.5	1451.8	1498.1	1491.2	1447.8	1527.8	1518.6	1561.7	1750.0	1687.6
37.5°	1875.2	1752.4	1644.2	1638.1	1684.0	1690.9	1665.1	1705.7	1798.7	1943.6	2010.4
40°	2047.1	1991.1	1807.2	1814.4	1750.8	1860.3	1787.9	1918.7	1989.5	2233.8	2210.1
42.5°	2307.1	2170.6	1993.9	2018.1	2005.2	1952.5	2047.9	2115.1	2216.5	2402.9	2523.2
45°	2500.7	2313.5	2229.8	2214.9	2213.3	2305.1	2293.0	2400.4	2436.7	2576.7	2676.6
47.5°	2647.6	2488.6	2364.6	2381.5	2332.4	2594.4	2454.8	2488.2	2561.4	2693.5	2809.8
50°	2821.9	2644.8	2503.9	2545.7	2665.3	2765.9	2639.5	2582.4	2618.2	2774.0	2903.6
52.5°	2983.2	2796.9	2641.9	2677.0	2872.2	2826.3	2812.6	2668.1	2663.7	2788.8	2936.2
55°	3172.0	2961.9	2825.1	2936.2	3005.4	2948.6	2926.9	2751.0	2642.3	2712.0	2850.8
57.5°	3357.2	3125.3	2989.3	3012.2	3100.0	3043.6	2880.6	2609.7	2474.1	2487.8	2628.3
60°	3530.6	3275.5	3163.2	3141.0	3211.1	2990.1	2704.7	2350.9	2171.0	2138.0	2259.6
62.5°	3679.2	3401.0	3294.8	3234.4	3301.2	2992.1	2430.6	1935.6	1737.9	1626.1	1720.6
65°	3797.1	3505.3	3429.6	3398.2	3422.4	2810.2	2003.6	1421.2	1178.9	1054.9	1110.1
67.5°	3875.6	3563.6	3529.0	3570.1	3248.1	2340.5	1484.4	909.6	685.4	617.8	652.4
70°	3956.9	3615.2	3614.0	3474.3	2754.2	1613.6	867.0	524.4	398.9	372.7	394.4
72.5°	3929.5	3554.0	3572.1	3038.4	1908.6	862.5	457.6	296.6	270.1	279.3	298.6
75°	3638.9	3231.2	3143.8	2184.3	1082.7	400.9	263.6	224.6	223.0	237.1	256.0
77.5°	2639.5	2250.3	2019.3	1238.1	464.1	216.9	194.0	187.6	187.6	198.8	215.7
80°	870.2	753.1	784.9	479.0	219.4	149.7	151.3	154.2	153.3	156.2	170.3
82.5°	142.9	148.1	229.0	195.6	132.4	102.2	114.3	119.9	121.6	108.7	123.6
85°	50.7	57.2	97.4	90.6	76.5	51.5	75.3	84.1	82.9	72.4	80.1
87.5°	15.7	20.1	35.4	27.4	22.9	14.1	28.2	33.0	41.5	16.9	15.3
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)