

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: P639326

Luminaire Tested: **USSL-M-PA6C-730-U-T3**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639326
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-10)
Test Lab: INNOVATION CENTER
Issue Date: 1/25/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-M-PA6C-730-U-T3
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE III OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55774 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 457.2
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: 24 FT

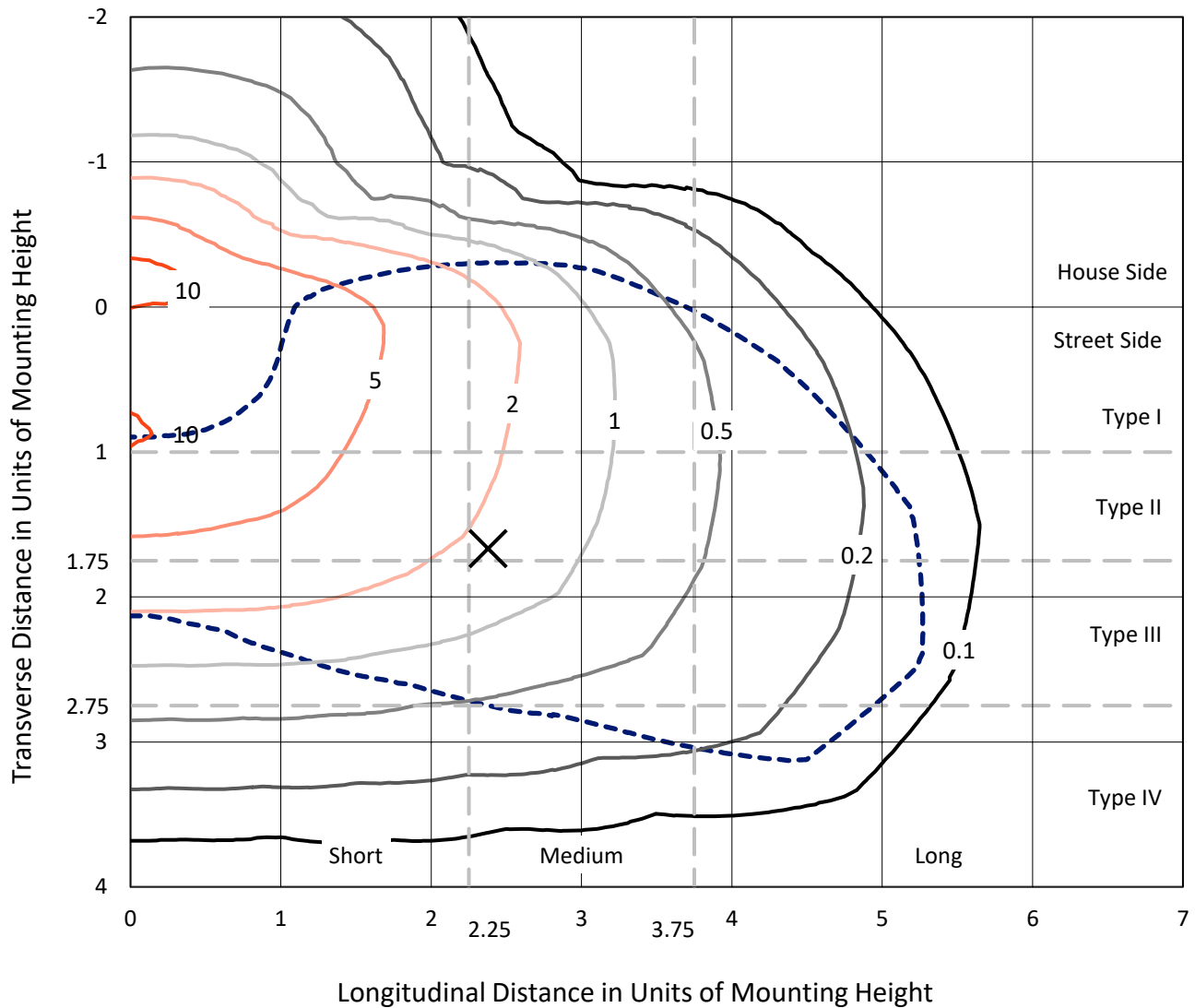


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Iso-Footcandle Lines of Horizontal Illumination

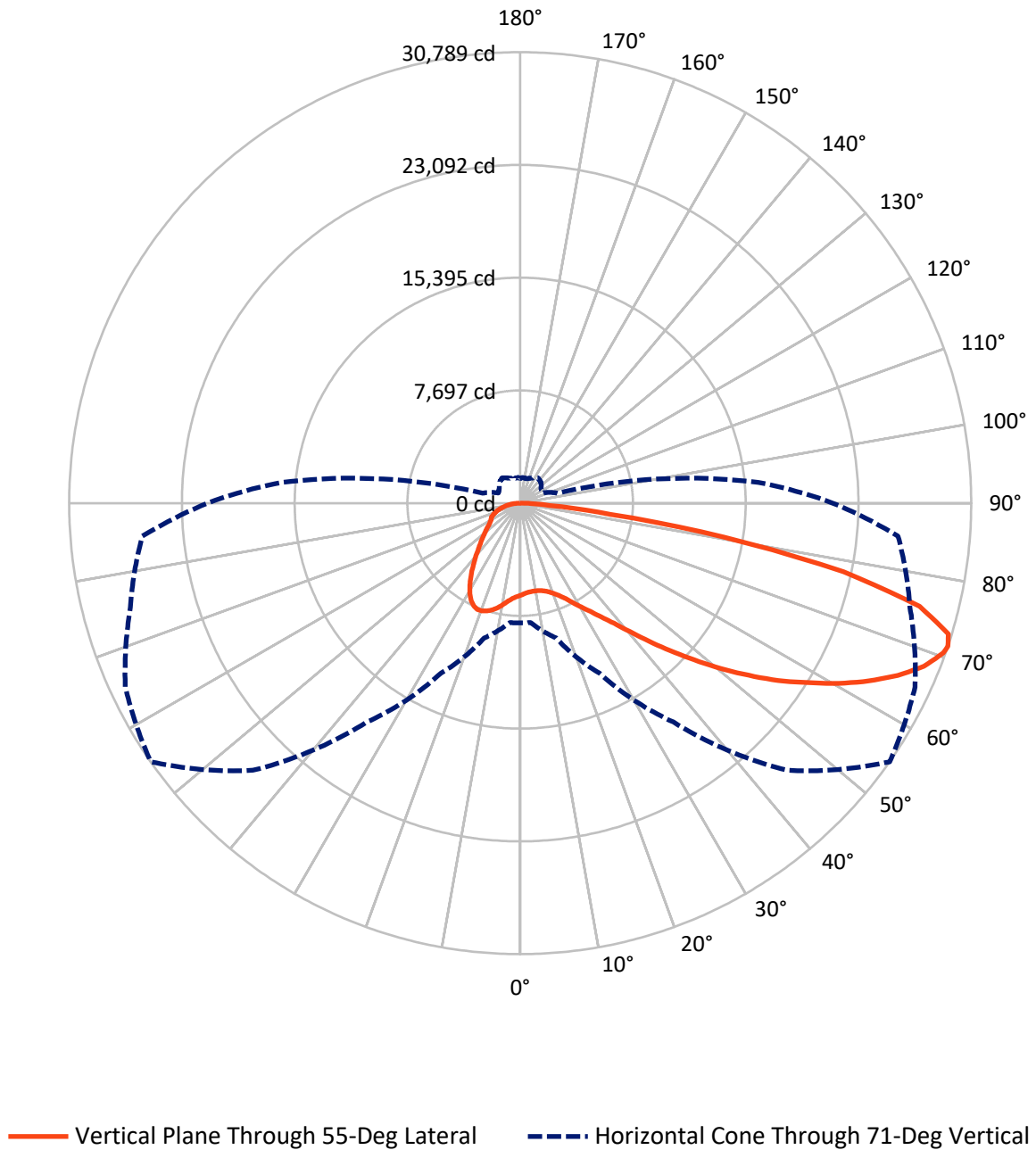
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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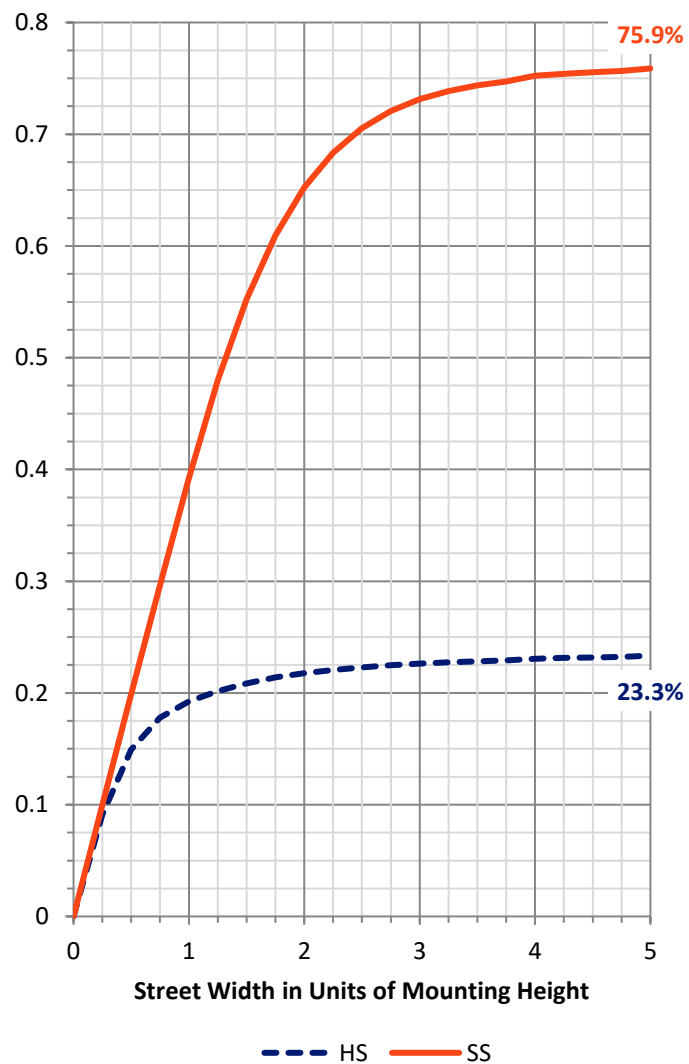
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13250.9	0.0	13250.9
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	42523.1	0.0	42523.1
	% Fixture	76.2	0.0	76.2
Total	Lumens	55774.0	0.0	55774.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	611.9	1.1
10°-20°	1945.1	3.5
20°-30°	3429.0	6.1
30°-40°	5136.7	9.2
40°-50°	8038.3	14.4
50°-60°	11815.7	21.2
60°-70°	13839.1	24.8
70°-80°	9373.4	16.8
80°-90°	1584.8	2.8
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°	55774.0	100.0
0°-180°	55774.0	100.0

Coefficient of Utilization



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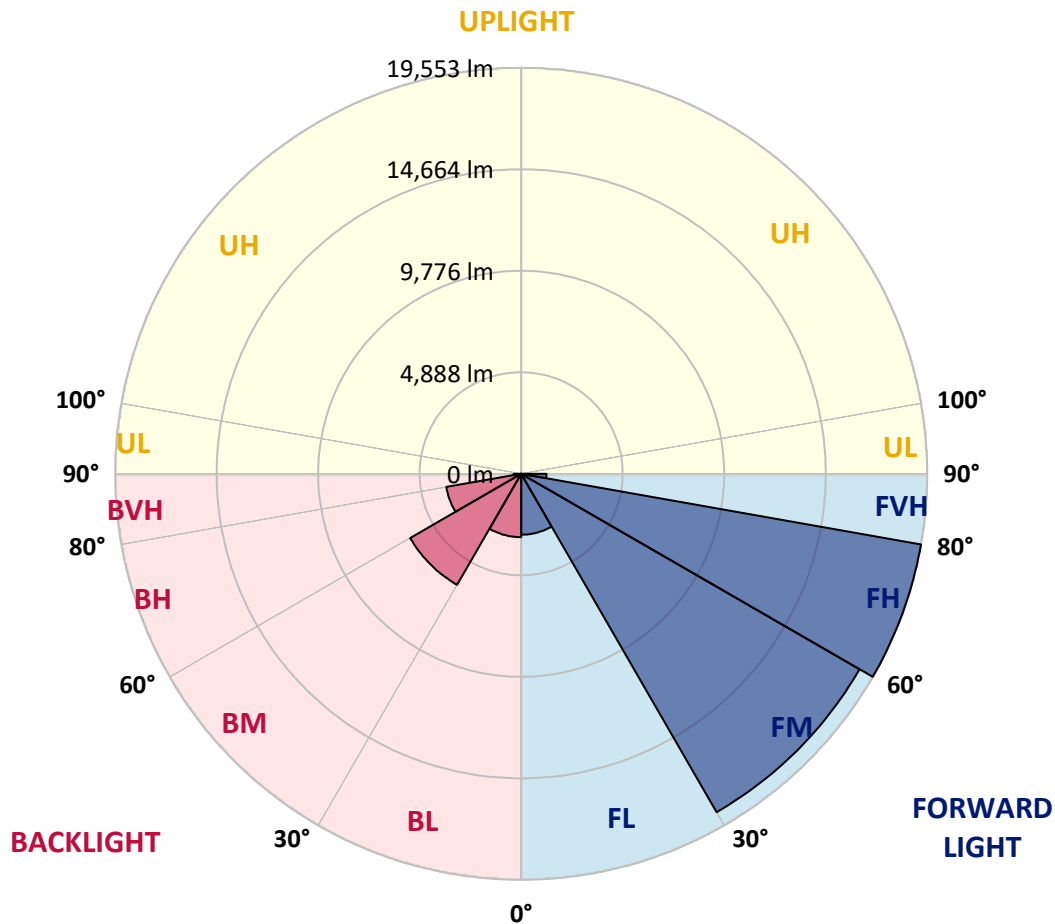
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2934.2	5.3			
FM	(30°-60°)	18817.0	33.7			
FH	(60°-80°)	19552.6	35.1			G5
FVH	(80°-90°)	1219.3	2.2			G5
BL	(0°-30°)	3051.9	5.5	B4/5000		
BM	(30°-60°)	6173.7	11.1	B4/8500		
BH	(60°-80°)	3659.9	6.6	B4/5000		G4/5000
BVH	(80°-90°)	365.4	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3
2.5°	6182.5	6140.4	6141.8	6141.8	6136.4	6162.1	6175.7	6197.4	6217.7	6240.7	6263.8
5°	6023.9	5994.1	6003.6	6021.2	6032.0	6070.0	6101.1	6137.7	6171.6	6217.7	6248.9
7.5°	5872.1	5834.2	5864.0	5908.7	5941.2	6018.5	6075.4	6132.3	6182.5	6254.3	6300.4
10°	5792.2	5758.3	5794.9	5851.8	5904.6	5996.8	6082.2	6170.3	6259.7	6377.6	6434.5
12.5°	5819.3	5785.4	5813.8	5872.1	5926.3	6019.8	6120.1	6258.4	6388.5	6532.1	6606.6
15°	5949.4	5918.2	5937.2	5977.8	6009.0	6093.0	6216.3	6387.1	6548.4	6717.8	6796.4
17.5°	6243.4	6201.4	6181.1	6159.4	6164.8	6223.1	6365.4	6566.0	6747.6	6931.9	7010.5
20°	6675.8	6627.0	6587.7	6479.2	6412.8	6458.9	6585.0	6786.9	6980.7	7166.3	7243.6
22.5°	7272.0	7194.8	7110.8	6923.8	6789.6	6778.7	6857.4	7055.2	7242.2	7411.6	7502.4
25°	7842.6	7780.2	7694.9	7461.8	7254.4	7178.5	7228.7	7392.7	7547.2	7670.5	7749.1
27.5°	8505.3	8413.1	8254.6	8028.3	7793.8	7661.0	7708.4	7825.0	7937.5	7986.2	8032.3
30°	9218.1	9124.6	8956.6	8642.2	8365.7	8216.6	8226.1	8398.2	8428.0	8369.8	8392.8
32.5°	10138.3	10044.8	9845.6	9422.8	9059.6	8833.2	8817.0	8937.6	8940.3	8823.8	8818.3
35°	11303.8	11185.9	10902.6	10387.7	9905.2	9562.3	9532.5	9643.7	9651.8	9504.1	9459.4
37.5°	12604.8	12528.9	12264.6	11535.5	10901.3	10502.9	10395.8	10592.3	10649.2	10444.6	10352.4
40°	14091.5	14027.8	13838.0	12923.3	12123.7	11664.3	11520.6	11723.9	11852.6	11642.6	11522.0
42.5°	15757.0	15689.2	15301.7	14431.6	13614.4	13023.5	12877.2	13041.2	13325.8	12943.6	12709.1
45°	17560.8	17506.6	16884.5	16147.3	15324.7	14767.7	14348.9	14461.4	14767.7	14451.9	14045.4
47.5°	18967.5	18837.4	18405.1	17921.3	17304.6	16608.1	15965.7	16005.0	16253.0	15949.4	15323.3
50°	20011.0	19978.5	19624.8	19380.8	19387.6	18757.4	17742.4	17601.4	17857.6	17455.1	16705.6
52.5°	20936.6	20824.1	20526.0	20627.6	21240.2	21108.7	19510.9	19193.8	19529.9	19075.9	18124.6
55°	21131.8	20894.6	21045.0	21634.5	22794.6	23029.0	21385.2	20993.5	21259.1	20829.5	19596.3
57.5°	20641.2	20607.3	21139.9	22206.4	23994.0	24419.5	23115.8	22783.8	22802.7	22556.1	21034.2
60°	19454.0	19571.9	20745.5	22394.8	24942.6	25664.9	24990.0	24556.4	24340.9	24334.1	22374.5
62.5°	17597.4	17799.3	19380.8	21986.9	25209.6	26647.5	26728.8	26255.8	25763.9	25854.7	23465.4
65°	15228.5	15255.6	17047.2	20721.1	24582.1	27322.3	28340.1	27773.6	26961.9	27106.9	24034.6
67.5°	12462.5	12472.0	14156.5	18085.2	23094.1	27543.2	29726.5	28883.5	27643.5	27525.6	23766.3
70°	9452.6	9482.4	10795.6	14549.5	19998.8	26711.1	30641.3	29615.4	27735.7	26697.6	22335.2
71°	8176.0	8180.0	9536.6	12806.7	18246.5	25796.4	30789.0	29740.0	27548.7	25892.6	21347.2
72.5°	6113.3	6103.9	7285.6	10063.8	15231.2	23628.0	30566.7	29622.1	27014.7	24181.0	19407.9
75°	3209.1	3215.9	3855.6	5830.1	9669.4	17875.2	28158.5	27863.1	24824.7	19922.9	15109.2
77.5°	1679.1	1680.5	2031.5	2939.4	5033.2	10597.7	22568.3	23561.6	20676.4	14155.1	9929.6
80°	1119.4	1126.2	1313.2	1748.2	2760.6	4514.2	14118.6	16061.9	13899.0	8082.5	5176.9
82.5°	821.3	826.7	986.6	1200.7	1862.1	2005.7	6212.3	8339.9	6790.9	3426.0	2122.3
85°	631.5	634.2	771.1	825.3	1231.9	1109.9	2013.8	3375.8	2638.6	700.6	593.6
87.5°	322.5	348.3	501.4	452.6	603.1	439.1	699.3	786.0	673.5	233.1	189.7
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3	6277.3
2.5°	6282.7	6328.8	6358.6	6374.9	6408.8	6444.0	6491.4	6511.8	6524.0	6476.5
5°	6285.5	6372.2	6448.1	6525.3	6613.4	6690.7	6781.5	6830.2	6850.6	6800.4
7.5°	6355.9	6482.0	6606.6	6731.3	6866.8	6971.2	7097.2	7165.0	7208.4	7167.7
10°	6514.5	6692.0	6861.4	7007.8	7137.9	7242.2	7350.6	7415.7	7456.4	7407.6
12.5°	6709.6	6931.9	7133.8	7292.4	7406.2	7472.6	7541.7	7577.0	7604.1	7559.3
15°	6911.6	7167.7	7384.5	7525.5	7582.4	7620.3	7638.0	7638.0	7650.1	7598.7
17.5°	7146.0	7404.9	7609.5	7692.2	7704.4	7669.1	7642.0	7606.8	7582.4	7532.2
20°	7383.2	7635.2	7810.1	7810.1	7708.4	7594.6	7484.8	7410.3	7371.0	7319.5
22.5°	7631.2	7862.9	7957.8	7822.3	7564.8	7353.4	7205.6	7091.8	7052.5	7005.1
25°	7873.8	8082.5	8036.4	7682.7	7288.3	6971.2	6773.3	6663.6	6610.7	6575.5
27.5°	8135.3	8287.1	8012.0	7411.6	6847.9	6509.1	6290.9	6143.2	6071.3	6028.0
30°	8479.5	8490.4	7877.8	6978.0	6328.8	5931.7	5700.0	5542.8	5500.8	5466.9
32.5°	8878.0	8678.8	7631.2	6450.8	5735.2	5315.1	5092.9	5002.1	4941.1	4924.8
35°	9486.5	8868.5	7299.1	5906.0	5115.9	4744.6	4553.5	4454.6	4369.2	4339.4
37.5°	10269.8	9033.8	6860.1	5305.6	4575.2	4254.0	4088.7	3934.2	3791.9	3760.7
40°	11184.5	9187.0	6349.1	4790.7	4134.7	3880.0	3688.9	3469.3	3260.6	3228.1
42.5°	12153.5	9287.2	5832.8	4297.4	3808.1	3579.1	3321.6	3064.1	2879.8	2827.0
45°	13157.7	9269.6	5285.3	3878.6	3552.0	3301.3	3023.5	2789.0	2618.3	2587.1
47.5°	14041.3	9147.7	4798.8	3522.2	3302.6	3064.1	2797.1	2589.8	2444.8	2413.6
50°	14966.9	8955.2	4380.0	3209.1	3079.0	2879.8	2625.0	2447.5	2313.3	2284.9
52.5°	15803.1	8766.8	3896.2	2930.0	2893.4	2737.5	2519.3	2389.2	2223.9	2186.0
55°	16646.0	8598.8	3407.0	2673.8	2742.9	2638.6	2485.5	2413.6	2234.7	2177.8
57.5°	17544.5	8371.1	2957.1	2469.2	2616.9	2630.5	2541.0	2476.0	2305.2	2225.3
60°	18391.5	7926.6	2581.7	2317.4	2564.1	2711.8	2550.5	2333.7	2221.2	2149.4
62.5°	19032.5	7105.4	2317.4	2236.1	2599.3	2691.4	2382.5	2157.5	2104.6	2065.3
65°	19195.2	5808.4	2088.4	2154.8	2486.8	2522.0	2225.3	2026.0	2034.2	2001.6
67.5°	18640.9	4338.0	1890.5	1992.2	2272.7	2337.7	2083.0	1902.7	1973.2	1939.3
70°	17152.9	3045.2	1708.9	1814.6	2081.6	2175.1	1946.1	1776.7	1828.2	1780.7
71°	16322.1	2634.5	1638.4	1737.4	2004.4	2110.1	1887.8	1726.5	1750.9	1691.3
72.5°	14537.3	2156.1	1534.1	1619.5	1883.7	2009.8	1809.2	1635.7	1612.7	1573.4
75°	10458.1	1627.6	1353.9	1417.5	1681.8	1836.3	1642.5	1485.3	1418.9	1395.9
77.5°	6262.4	1261.7	1157.3	1203.4	1492.1	1645.2	1474.5	1322.7	1264.4	1241.4
80°	2866.3	989.3	951.4	987.9	1273.9	1454.1	1317.3	1172.3	1100.4	1070.6
82.5°	1173.6	750.8	725.0	771.1	1059.8	1241.4	1130.2	990.7	950.0	848.4
85°	543.4	493.3	487.9	525.8	745.4	913.4	829.4	725.0	619.3	600.4
87.5°	246.6	230.4	197.9	243.9	378.1	520.4	477.0	407.9	252.1	241.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)