

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: P639164

Luminaire Tested: **USSL-M-PA6A-730-U-T3**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639164
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-PA6A-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: 37480 lumens
Efficiency: N/A
Efficacy: 136.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 273.8
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

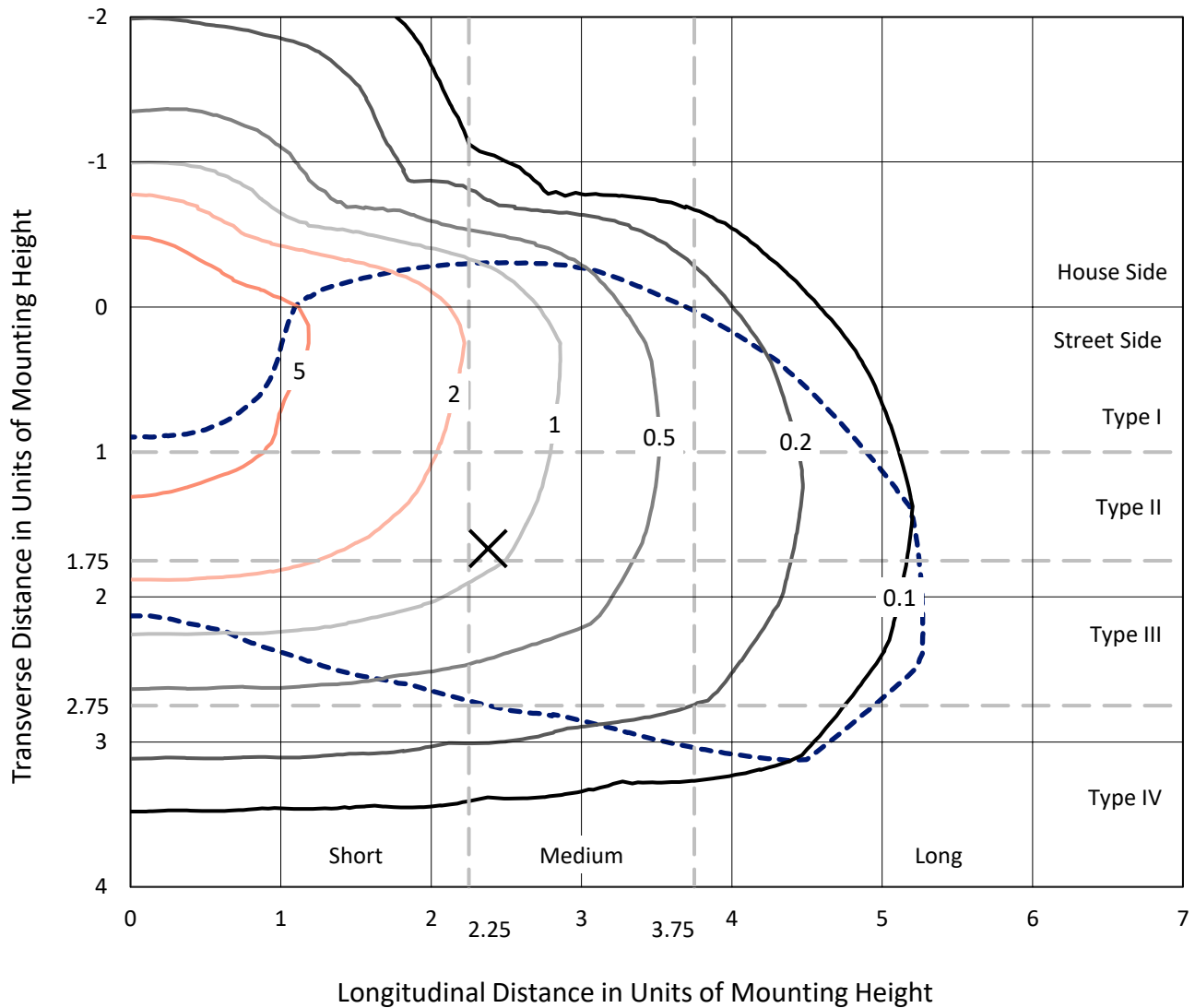


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Iso-Footcandle Lines of Horizontal Illumination

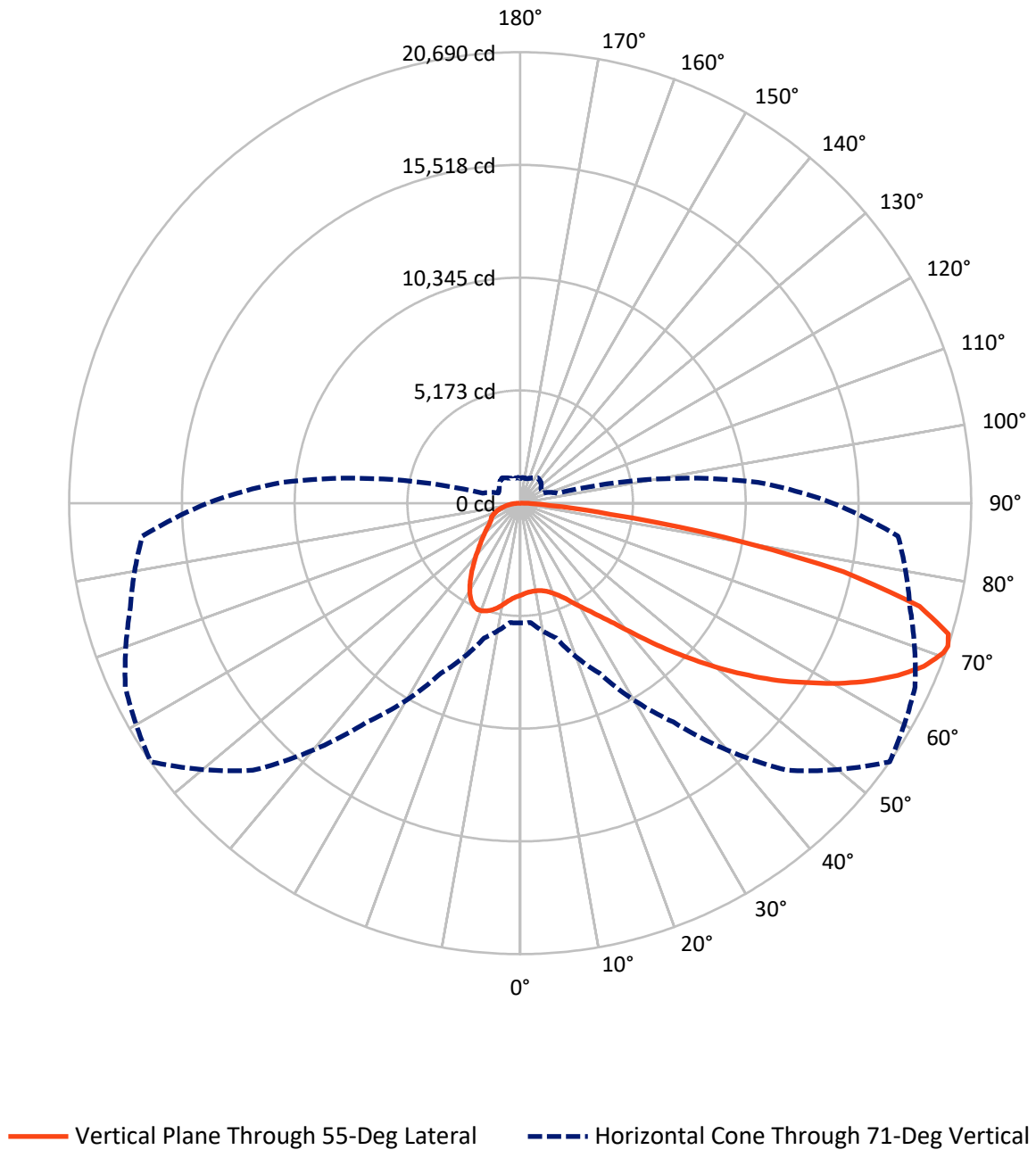
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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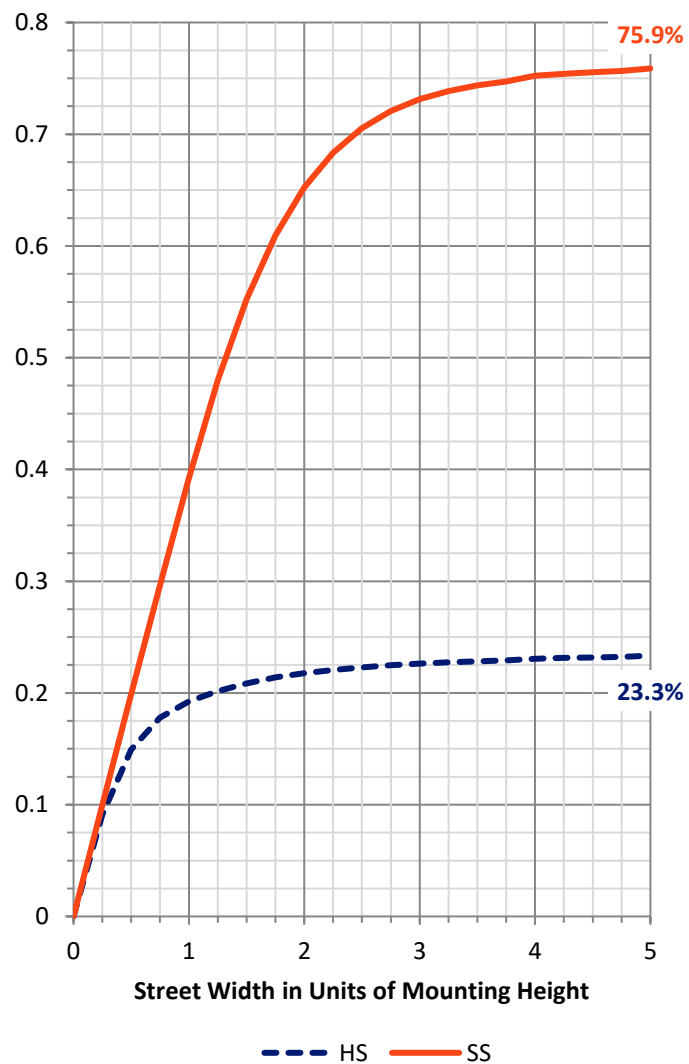
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8904.6	0.0	8904.6
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	28575.4	0.0	28575.4
	% Fixture	76.2	0.0	76.2
Total	Lumens	37480.0	0.0	37480.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.2	1.1
10°-20°	1307.1	3.5
20°-30°	2304.3	6.1
30°-40°	3451.8	9.2
40°-50°	5401.7	14.4
50°-60°	7940.2	21.2
60°-70°	9299.8	24.8
70°-80°	6298.9	16.8
80°-90°	1065.0	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°	37480.0	100.0
0°-180°	37480.0	100.0

Coefficient of Utilization



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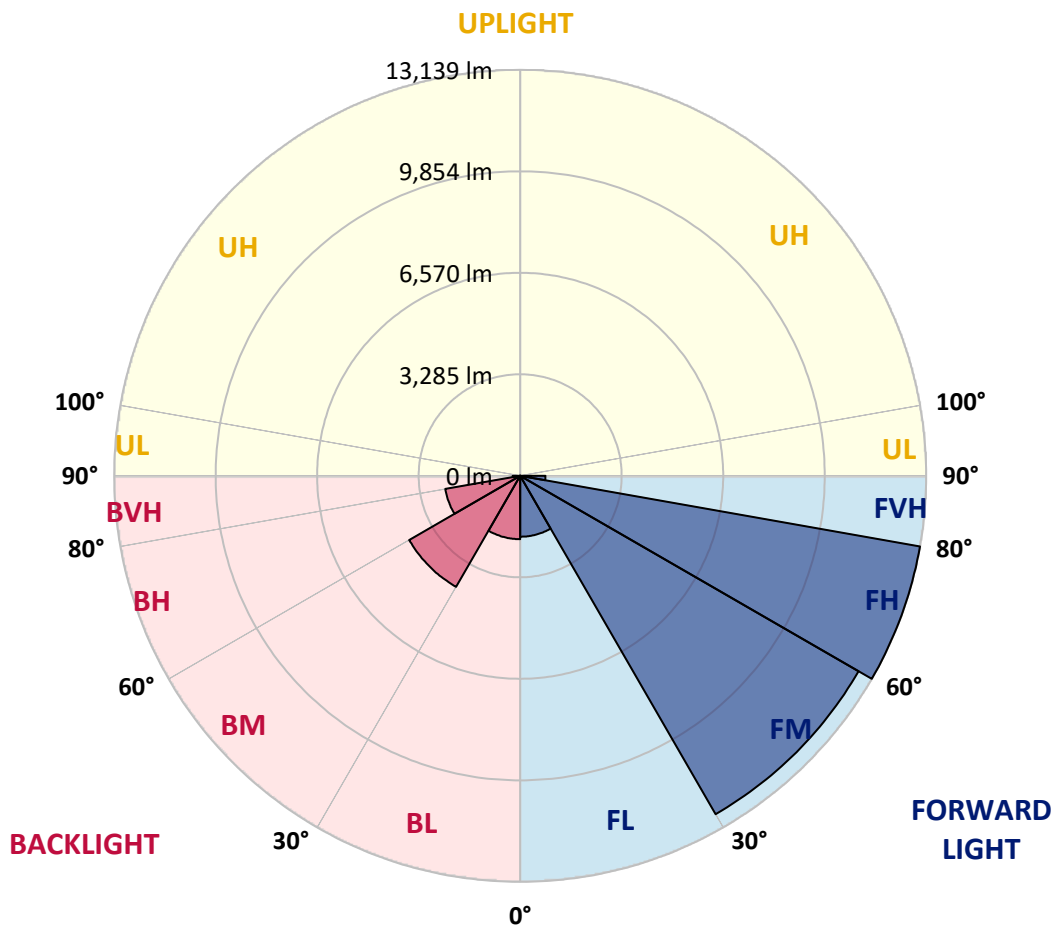
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1971.7	5.3			
FM	(30°-60°)	12645.0	33.7			
FH	(60°-80°)	13139.3	35.1			G5
FVH	(80°-90°)	819.4	2.2			G5
BL	(0°-30°)	2050.8	5.5	B3/2500		
BM	(30°-60°)	4148.7	11.1	B3/5000		
BH	(60°-80°)	2459.4	6.6	B3/2500		G3/2500
BVH	(80°-90°)	245.6	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3
2.5°	4154.6	4126.4	4127.3	4127.3	4123.6	4140.9	4150.0	4164.6	4178.3	4193.8	4209.2
5°	4048.0	4028.0	4034.4	4046.2	4053.5	4079.0	4100.0	4124.5	4147.3	4178.3	4199.2
7.5°	3946.0	3920.5	3940.6	3970.6	3992.5	4044.4	4082.7	4120.9	4154.6	4202.9	4233.8
10°	3892.3	3869.5	3894.1	3932.4	3967.9	4029.8	4087.2	4146.4	4206.5	4285.7	4324.0
12.5°	3910.5	3887.8	3906.9	3946.0	3982.5	4045.3	4112.7	4205.6	4293.0	4389.6	4439.6
15°	3998.0	3977.0	3989.8	4017.1	4038.0	4094.5	4177.4	4292.1	4400.5	4514.3	4567.1
17.5°	4195.6	4167.3	4153.7	4139.1	4142.8	4181.9	4277.5	4412.3	4534.4	4658.2	4711.0
20°	4486.1	4453.3	4426.9	4354.0	4309.4	4340.4	4425.1	4560.8	4691.0	4815.8	4867.7
22.5°	4886.8	4834.9	4778.4	4652.7	4562.6	4555.3	4608.1	4741.1	4866.8	4980.6	5041.6
25°	5270.2	5228.3	5170.9	5014.3	4875.0	4824.0	4857.7	4967.8	5071.7	5154.5	5207.4
27.5°	5715.5	5653.6	5547.1	5395.0	5237.4	5148.2	5180.0	5258.4	5334.0	5366.7	5397.7
30°	6194.6	6131.7	6018.8	5807.5	5621.7	5521.6	5527.9	5643.6	5663.6	5624.5	5639.9
32.5°	6812.9	6750.1	6616.2	6332.1	6088.0	5935.9	5925.0	6006.0	6007.9	5929.5	5925.9
35°	7596.1	7516.9	7326.6	6980.5	6656.3	6425.9	6405.8	6480.5	6486.0	6386.7	6356.7
37.5°	8470.4	8419.4	8241.8	7751.8	7325.6	7057.9	6986.0	7118.0	7156.3	7018.7	6956.8
40°	9469.4	9426.6	9299.1	8684.4	8147.1	7838.4	7741.8	7878.4	7965.0	7823.8	7742.7
42.5°	10588.7	10543.1	10282.7	9698.0	9148.9	8751.8	8653.4	8763.6	8954.9	8698.1	8540.5
45°	11800.8	11764.4	11346.4	10851.0	10298.2	9923.9	9642.5	9718.0	9923.9	9711.7	9438.5
47.5°	12746.1	12658.7	12368.2	12043.1	11628.7	11160.6	10728.9	10755.3	10922.0	10718.0	10297.2
50°	13447.3	13425.5	13187.8	13023.9	13028.4	12605.0	11922.8	11828.1	12000.2	11729.8	11226.2
52.5°	14069.4	13993.8	13793.4	13861.7	14273.3	14185.0	13111.3	12898.2	13124.0	12819.0	12179.7
55°	14200.5	14041.1	14142.2	14538.4	15317.9	15475.5	14370.8	14107.6	14286.1	13997.4	13168.7
57.5°	13870.8	13848.1	14206.0	14922.7	16123.9	16409.8	15533.8	15310.6	15323.4	15157.6	14134.9
60°	13073.0	13152.3	13940.9	15049.3	16761.4	17246.8	16793.2	16501.8	16357.0	16352.5	15035.6
62.5°	11825.4	11961.1	13023.9	14775.1	16940.8	17907.0	17961.7	17643.8	17313.3	17374.3	15768.7
65°	10233.5	10251.7	11455.7	13924.6	16519.1	18360.6	19044.5	18663.8	18118.3	18215.8	16151.2
67.5°	8374.8	8381.1	9513.1	12153.2	15519.2	18509.0	19976.1	19409.7	18576.4	18497.2	15970.9
70°	6352.1	6372.1	7254.6	9777.2	13439.1	17949.8	20590.9	19901.5	18638.3	17940.7	15009.2
71°	5494.2	5497.0	6408.6	8606.1	12261.6	17335.1	20690.1	19985.2	18512.6	17399.8	14345.3
72.5°	4108.2	4101.8	4895.9	6762.8	10235.3	15878.0	20540.8	19906.0	18153.8	16249.6	13042.1
75°	2156.5	2161.1	2590.9	3917.8	6497.8	12012.1	18922.5	18723.9	16682.1	13388.2	10153.4
77.5°	1128.4	1129.3	1365.1	1975.3	3382.3	7121.6	15165.8	15833.4	13894.5	9512.2	6672.7
80°	752.2	756.8	882.5	1174.8	1855.1	3033.5	9487.6	10793.6	9340.1	5431.4	3478.9
82.5°	551.9	555.5	663.0	806.9	1251.3	1347.8	4174.6	5604.4	4563.5	2302.2	1426.2
85°	424.4	426.2	518.2	554.6	827.8	745.9	1353.3	2268.5	1773.1	470.8	398.9
87.5°	216.7	234.0	337.0	304.2	405.3	295.1	469.9	528.2	452.6	156.6	127.5
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3	4218.3
2.5°	4222.0	4253.0	4273.0	4283.9	4306.7	4330.4	4362.2	4375.9	4384.1	4352.2
5°	4223.8	4282.1	4333.1	4385.0	4444.2	4496.1	4557.1	4589.9	4603.6	4569.9
7.5°	4271.2	4355.9	4439.6	4523.4	4614.5	4684.6	4769.3	4814.9	4844.0	4816.7
10°	4377.7	4497.0	4610.9	4709.2	4796.6	4866.8	4939.6	4983.3	5010.7	4977.9
12.5°	4508.9	4658.2	4793.9	4900.5	4977.0	5021.6	5068.0	5091.7	5109.9	5079.9
15°	4644.6	4816.7	4962.4	5057.1	5095.3	5120.8	5132.7	5132.7	5140.9	5106.3
17.5°	4802.1	4976.0	5113.6	5169.1	5177.3	5153.6	5135.4	5111.7	5095.3	5061.7
20°	4961.5	5130.9	5248.3	5248.3	5180.0	5103.5	5029.8	4979.7	4953.3	4918.7
22.5°	5128.1	5283.9	5347.6	5256.5	5083.5	4941.4	4842.2	4765.7	4739.3	4707.4
25°	5291.1	5431.4	5400.4	5162.7	4897.7	4684.6	4551.7	4477.9	4442.4	4418.7
27.5°	5466.9	5568.9	5384.0	4980.6	4601.7	4374.1	4227.5	4128.2	4079.9	4050.8
30°	5698.2	5705.5	5293.9	4689.2	4253.0	3986.1	3830.4	3724.7	3696.5	3673.8
32.5°	5966.0	5832.1	5128.1	4334.9	3854.1	3571.8	3422.4	3361.4	3320.4	3309.5
35°	6374.9	5959.6	4905.0	3968.8	3437.9	3188.3	3059.9	2993.5	2936.1	2916.1
37.5°	6901.3	6070.7	4609.9	3565.4	3074.5	2858.7	2747.6	2643.8	2548.1	2527.2
40°	7516.0	6173.6	4266.6	3219.3	2778.5	2607.3	2478.9	2331.4	2191.1	2169.3
42.5°	8167.1	6241.0	3919.6	2887.8	2559.1	2405.1	2232.1	2059.1	1935.2	1899.7
45°	8842.0	6229.2	3551.7	2606.4	2386.9	2218.5	2031.8	1874.2	1759.5	1738.5
47.5°	9435.7	6147.2	3224.8	2366.9	2219.4	2059.1	1879.7	1740.3	1642.9	1622.0
50°	10057.7	6017.9	2943.4	2156.5	2069.1	1935.2	1764.0	1644.7	1554.6	1535.4
52.5°	10619.6	5891.3	2618.3	1968.9	1944.3	1839.6	1693.0	1605.6	1494.5	1469.0
55°	11186.1	5778.4	2289.5	1796.8	1843.2	1773.1	1670.2	1622.0	1501.7	1463.5
57.5°	11789.9	5625.4	1987.1	1659.3	1758.6	1767.7	1707.6	1663.8	1549.1	1495.4
60°	12359.1	5326.7	1734.9	1557.3	1723.0	1822.3	1713.9	1568.2	1492.6	1444.4
62.5°	12789.8	4774.8	1557.3	1502.6	1746.7	1808.6	1601.0	1449.8	1414.3	1387.9
65°	12899.1	3903.2	1403.4	1448.0	1671.1	1694.8	1495.4	1361.5	1367.0	1345.1
67.5°	12526.6	2915.1	1270.4	1338.7	1527.2	1571.0	1399.7	1278.6	1326.0	1303.2
70°	11526.7	2046.3	1148.4	1219.4	1398.8	1461.7	1307.8	1193.9	1228.5	1196.7
71°	10968.4	1770.4	1101.0	1167.5	1346.9	1418.0	1268.6	1160.2	1176.6	1136.5
72.5°	9769.0	1448.9	1030.9	1088.3	1265.9	1350.6	1215.8	1099.2	1083.7	1057.3
75°	7027.8	1093.7	909.8	952.6	1130.2	1234.0	1103.8	998.1	953.5	938.0
77.5°	4208.3	847.9	777.7	808.7	1002.7	1105.6	990.8	888.8	849.7	834.2
80°	1926.1	664.8	639.3	663.9	856.1	977.2	885.2	787.8	739.5	719.5
82.5°	788.7	504.5	487.2	518.2	712.2	834.2	759.5	665.7	638.4	570.1
85°	365.2	331.5	327.9	353.4	500.9	613.8	557.3	487.2	416.2	403.4
87.5°	165.7	154.8	133.0	163.9	254.1	349.7	320.6	274.1	169.4	162.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)