

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: P639182

Luminaire Tested: **USSL-M-PA6A-740-U-T3**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639182
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-740-U-T3
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K LIGHT ENGINES AND TYPE III OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41155.1 lumens
Efficiency: N/A
Efficacy: 150.3 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

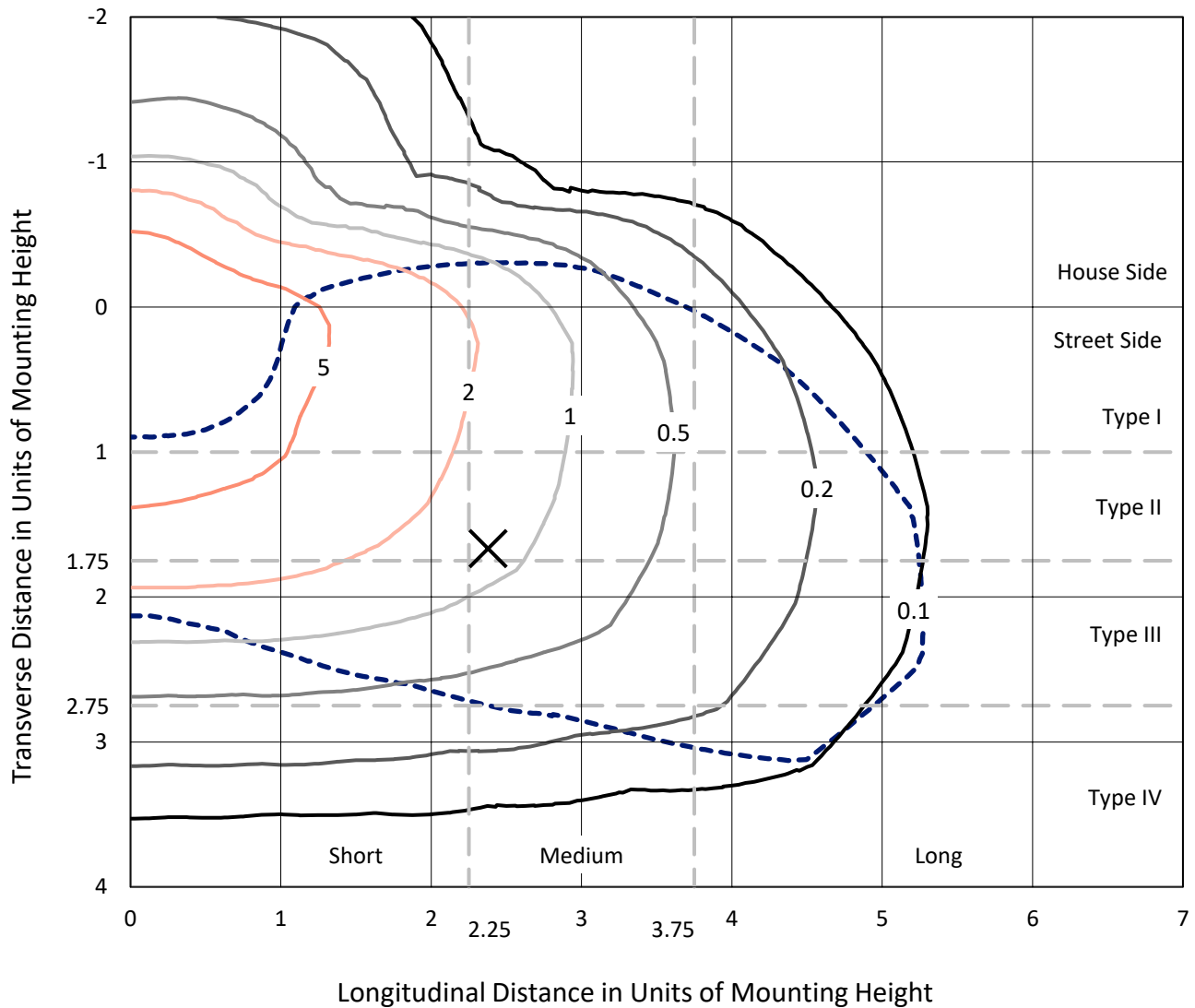
Input Watts (W): 273.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

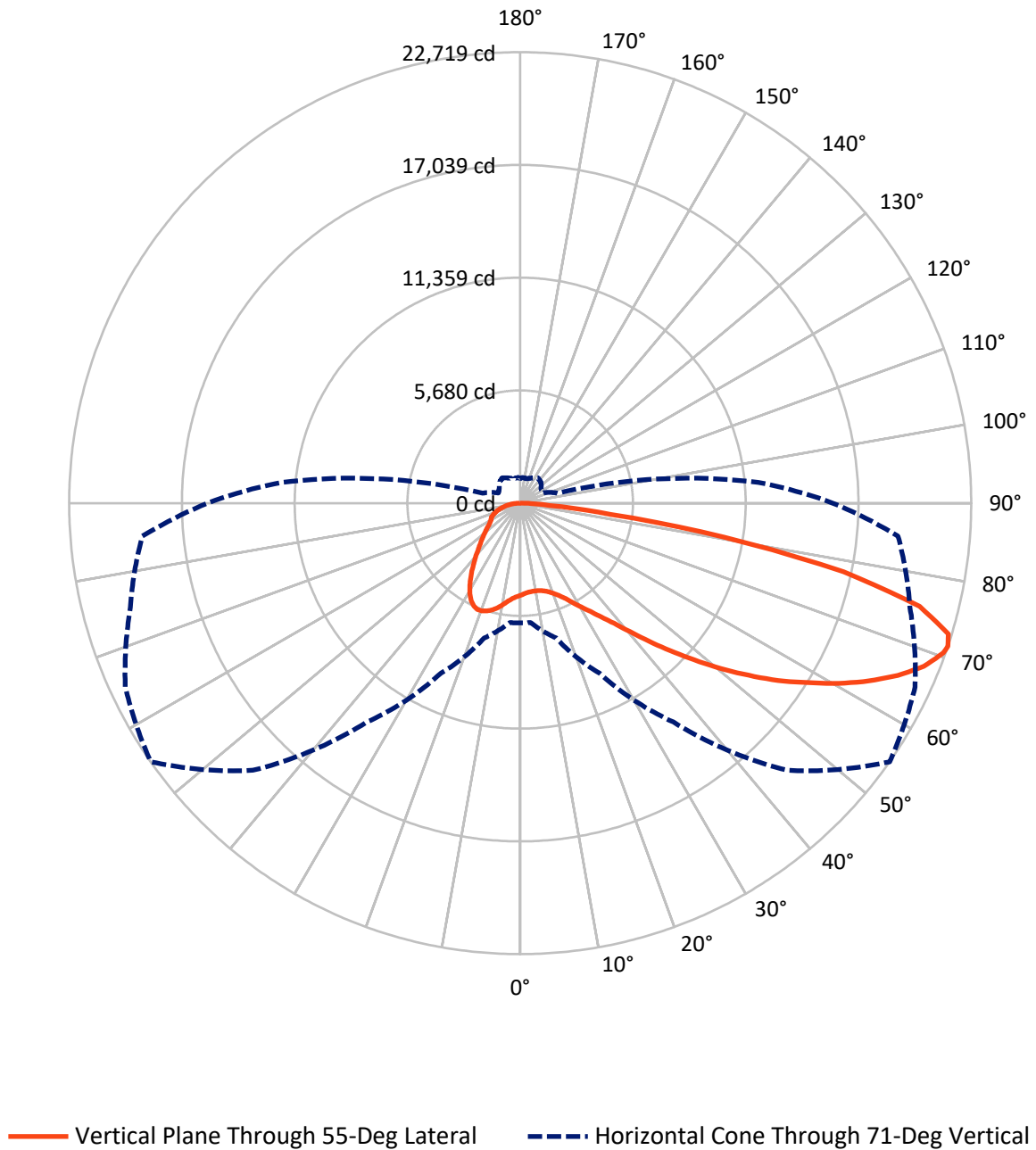
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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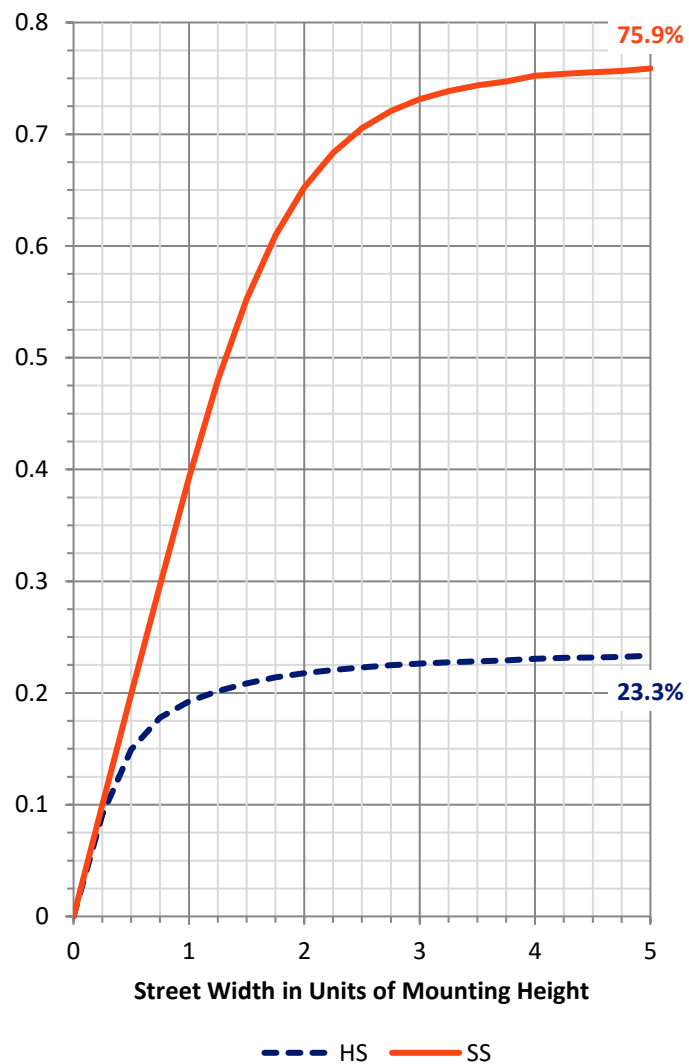
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9777.8	0.0	9777.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	31377.3	0.0	31377.3
	% Fixture	76.2	0.0	76.2
Total	Lumens	41155.1	0.0	41155.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.5	1.1
10°-20°	1435.3	3.5
20°-30°	2530.2	6.1
30°-40°	3790.3	9.2
40°-50°	5931.4	14.4
50°-60°	8718.7	21.2
60°-70°	10211.7	24.8
70°-80°	6916.5	16.8
80°-90°	1169.4	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°	41155.1	100.0
0°-180°	41155.1	100.0

Coefficient of Utilization



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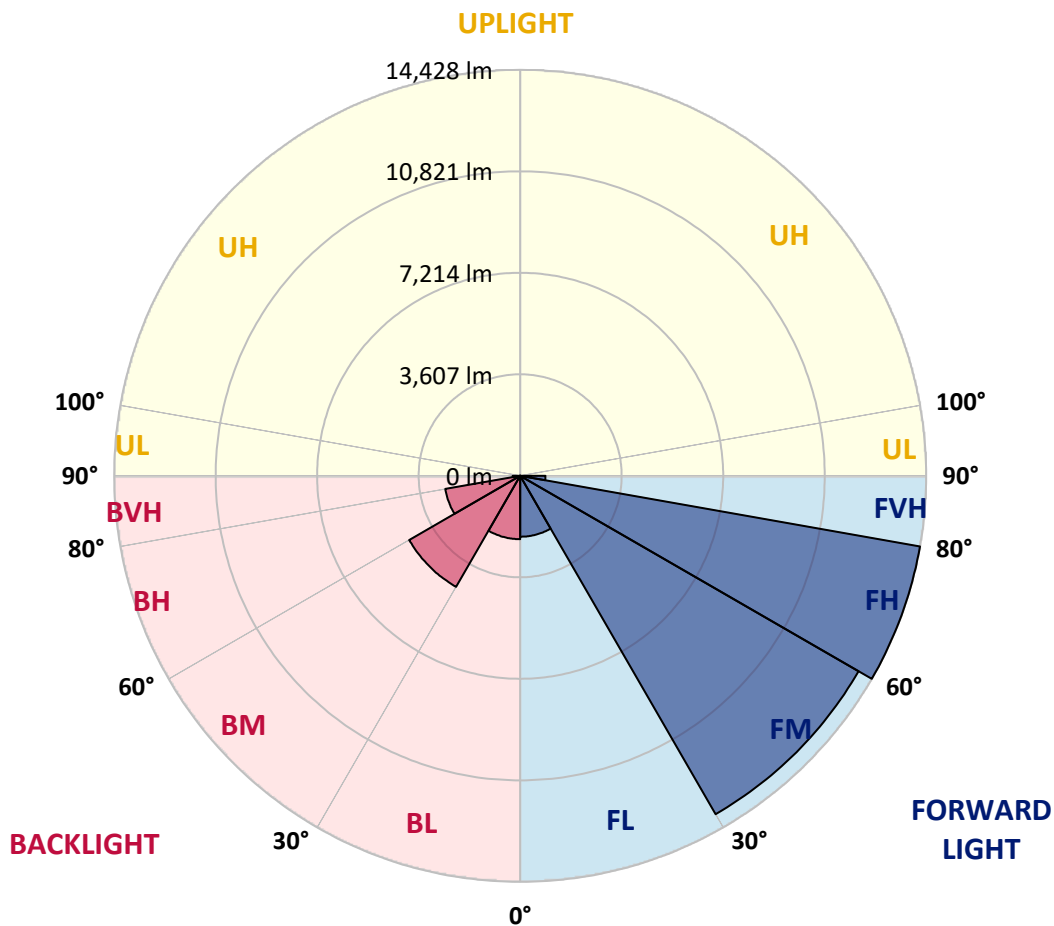
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2165.1	5.3			
FM	(30°-60°)	13884.8	33.7			
FH	(60°-80°)	14427.6	35.1			G5
FVH	(80°-90°)	899.7	2.2			G5
BL	(0°-30°)	2251.9	5.5	B3/2500		
BM	(30°-60°)	4555.6	11.1	B3/5000		
BH	(60°-80°)	2700.6	6.6	B4/5000		G4/5000
BVH	(80°-90°)	269.6	0.7			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0
2.5°	4562.0	4531.0	4532.0	4532.0	4528.0	4547.0	4557.0	4573.0	4588.0	4605.0	4622.0
5°	4445.0	4423.0	4430.0	4443.0	4451.0	4479.0	4502.0	4529.0	4554.0	4588.0	4611.0
7.5°	4333.0	4305.0	4327.0	4360.0	4384.0	4441.0	4483.0	4525.0	4562.0	4615.0	4649.0
10°	4274.0	4249.0	4276.0	4318.0	4357.0	4425.0	4488.0	4553.0	4619.0	4706.0	4748.0
12.5°	4294.0	4269.0	4290.0	4333.0	4373.0	4442.0	4516.0	4618.0	4714.0	4820.0	4875.0
15°	4390.0	4367.0	4381.0	4411.0	4434.0	4496.0	4587.0	4713.0	4832.0	4957.0	5015.0
17.5°	4607.0	4576.0	4561.0	4545.0	4549.0	4592.0	4697.0	4845.0	4979.0	5115.0	5173.0
20°	4926.0	4890.0	4861.0	4781.0	4732.0	4766.0	4859.0	5008.0	5151.0	5288.0	5345.0
22.5°	5366.0	5309.0	5247.0	5109.0	5010.0	5002.0	5060.0	5206.0	5344.0	5469.0	5536.0
25°	5787.0	5741.0	5678.0	5506.0	5353.0	5297.0	5334.0	5455.0	5569.0	5660.0	5718.0
27.5°	6276.0	6208.0	6091.0	5924.0	5751.0	5653.0	5688.0	5774.0	5857.0	5893.0	5927.0
30°	6801.9	6732.9	6609.0	6377.0	6173.0	6063.0	6070.0	6197.0	6219.0	6176.0	6193.0
32.5°	7480.9	7411.9	7264.9	6952.9	6684.9	6518.0	6506.0	6595.0	6597.0	6511.0	6507.0
35°	8340.9	8253.9	8044.9	7664.9	7308.9	7055.9	7033.9	7115.9	7121.9	7012.9	6979.9
37.5°	9300.9	9244.9	9049.9	8511.9	8043.9	7749.9	7670.9	7815.9	7857.9	7706.9	7638.9
40°	10397.9	10350.9	10210.9	9535.9	8945.9	8606.9	8500.9	8650.9	8745.9	8590.9	8501.9
42.5°	11626.9	11576.9	11290.9	10648.9	10045.9	9609.9	9501.9	9622.9	9832.9	9550.9	9377.9
45°	12957.9	12917.9	12458.9	11914.9	11307.9	10896.9	10587.9	10670.9	10896.9	10663.9	10363.9
47.5°	13995.9	13899.9	13580.9	13223.9	12768.9	12254.9	11780.9	11809.9	11992.9	11768.9	11306.9
50°	14765.9	14741.9	14480.9	14300.9	14305.9	13840.9	13091.9	12987.9	13176.9	12879.9	12326.9
52.5°	15448.9	15365.9	15145.9	15220.9	15672.9	15575.9	14396.9	14162.9	14410.9	14075.9	13373.9
55°	15592.9	15417.9	15528.9	15963.9	16819.9	16992.9	15779.9	15490.9	15686.9	15369.9	14459.9
57.5°	15230.9	15205.9	15598.9	16385.9	17704.9	18018.9	17056.9	16811.9	16825.9	16643.9	15520.9
60°	14354.9	14441.9	15307.9	16524.9	18404.9	18937.9	18439.9	18119.9	17960.9	17955.9	16509.9
62.5°	12984.9	13133.9	14300.9	16223.9	18601.9	19662.9	19722.9	19373.9	19010.9	19077.9	17314.9
65°	11236.9	11256.9	12578.9	15289.9	18138.9	20160.8	20911.8	20493.8	19894.9	20001.8	17734.9
67.5°	9195.9	9202.9	10445.9	13344.9	17040.9	20323.8	21934.8	21312.8	20397.8	20310.8	17536.9
70°	6974.9	6996.9	7965.9	10735.9	14756.9	19709.9	22609.8	21852.8	20465.8	19699.9	16480.9
71°	6033.0	6036.0	7036.9	9449.9	13463.9	19034.9	22718.8	21944.8	20327.8	19105.9	15751.9
72.5°	4511.0	4504.0	5376.0	7425.9	11238.9	17434.9	22554.8	21857.8	19933.9	17842.9	14320.9
75°	2368.0	2373.0	2845.0	4302.0	7134.9	13189.9	20777.8	20559.8	18317.9	14700.9	11148.9
77.5°	1239.0	1240.0	1499.0	2169.0	3714.0	7819.9	16652.9	17385.9	15256.9	10444.9	7326.9
80°	826.0	831.0	969.0	1290.0	2037.0	3331.0	10417.9	11851.9	10255.9	5964.0	3820.0
82.5°	606.0	610.0	728.0	886.0	1374.0	1480.0	4584.0	6154.0	5011.0	2528.0	1566.0
85°	466.0	468.0	569.0	609.0	909.0	819.0	1486.0	2491.0	1947.0	517.0	438.0
87.5°	238.0	257.0	370.0	334.0	445.0	324.0	516.0	580.0	497.0	172.0	140.0
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0	4632.0
2.5°	4636.0	4670.0	4692.0	4704.0	4729.0	4755.0	4790.0	4805.0	4814.0	4779.0
5°	4638.0	4702.0	4758.0	4815.0	4880.0	4937.0	5004.0	5040.0	5055.0	5018.0
7.5°	4690.0	4783.0	4875.0	4967.0	5067.0	5144.0	5237.0	5287.0	5319.0	5289.0
10°	4807.0	4938.0	5063.0	5171.0	5267.0	5344.0	5424.0	5472.0	5502.0	5466.0
12.5°	4951.0	5115.0	5264.0	5381.0	5465.0	5514.0	5565.0	5591.0	5611.0	5578.0
15°	5100.0	5289.0	5449.0	5553.0	5595.0	5623.0	5636.0	5636.0	5645.0	5607.0
17.5°	5273.0	5464.0	5615.0	5676.0	5685.0	5659.0	5639.0	5613.0	5595.0	5558.0
20°	5448.0	5634.0	5763.0	5763.0	5688.0	5604.0	5523.0	5468.0	5439.0	5401.0
22.5°	5631.0	5802.0	5872.0	5772.0	5582.0	5426.0	5317.0	5233.0	5204.0	5169.0
25°	5810.0	5964.0	5930.0	5669.0	5378.0	5144.0	4998.0	4917.0	4878.0	4852.0
27.5°	6003.0	6115.0	5912.0	5469.0	5053.0	4803.0	4642.0	4533.0	4480.0	4448.0
30°	6257.0	6265.0	5813.0	5149.0	4670.0	4377.0	4206.0	4090.0	4059.0	4034.0
32.5°	6551.0	6404.0	5631.0	4760.0	4232.0	3922.0	3758.0	3691.0	3646.0	3634.0
35°	6999.9	6544.0	5386.0	4358.0	3775.0	3501.0	3360.0	3287.0	3224.0	3202.0
37.5°	7577.9	6665.9	5062.0	3915.0	3376.0	3139.0	3017.0	2903.0	2798.0	2775.0
40°	8252.9	6778.9	4685.0	3535.0	3051.0	2863.0	2722.0	2560.0	2406.0	2382.0
42.5°	8967.9	6852.9	4304.0	3171.0	2810.0	2641.0	2451.0	2261.0	2125.0	2086.0
45°	9708.9	6839.9	3900.0	2862.0	2621.0	2436.0	2231.0	2058.0	1932.0	1909.0
47.5°	10360.9	6749.9	3541.0	2599.0	2437.0	2261.0	2064.0	1911.0	1804.0	1781.0
50°	11043.9	6608.0	3232.0	2368.0	2272.0	2125.0	1937.0	1806.0	1707.0	1686.0
52.5°	11660.9	6469.0	2875.0	2162.0	2135.0	2020.0	1859.0	1763.0	1641.0	1613.0
55°	12282.9	6345.0	2514.0	1973.0	2024.0	1947.0	1834.0	1781.0	1649.0	1607.0
57.5°	12945.9	6177.0	2182.0	1822.0	1931.0	1941.0	1875.0	1827.0	1701.0	1642.0
60°	13570.9	5849.0	1905.0	1710.0	1892.0	2001.0	1882.0	1722.0	1639.0	1586.0
62.5°	14043.9	5243.0	1710.0	1650.0	1918.0	1986.0	1758.0	1592.0	1553.0	1524.0
65°	14163.9	4286.0	1541.0	1590.0	1835.0	1861.0	1642.0	1495.0	1501.0	1477.0
67.5°	13754.9	3201.0	1395.0	1470.0	1677.0	1725.0	1537.0	1404.0	1456.0	1431.0
70°	12656.9	2247.0	1261.0	1339.0	1536.0	1605.0	1436.0	1311.0	1349.0	1314.0
71°	12043.9	1944.0	1209.0	1282.0	1479.0	1557.0	1393.0	1274.0	1292.0	1248.0
72.5°	10726.9	1591.0	1132.0	1195.0	1390.0	1483.0	1335.0	1207.0	1190.0	1161.0
75°	7716.9	1201.0	999.0	1046.0	1241.0	1355.0	1212.0	1096.0	1047.0	1030.0
77.5°	4621.0	931.0	854.0	888.0	1101.0	1214.0	1088.0	976.0	933.0	916.0
80°	2115.0	730.0	702.0	729.0	940.0	1073.0	972.0	865.0	812.0	790.0
82.5°	866.0	554.0	535.0	569.0	782.0	916.0	834.0	731.0	701.0	626.0
85°	401.0	364.0	360.0	388.0	550.0	674.0	612.0	535.0	457.0	443.0
87.5°	182.0	170.0	146.0	180.0	279.0	384.0	352.0	301.0	186.0	178.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)