

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: P639344

Luminaire Tested: **USSL-M-PA6C-740-U-T3**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639344
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-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: 61242 lumens
Efficiency: N/A
Efficacy: 134.0 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

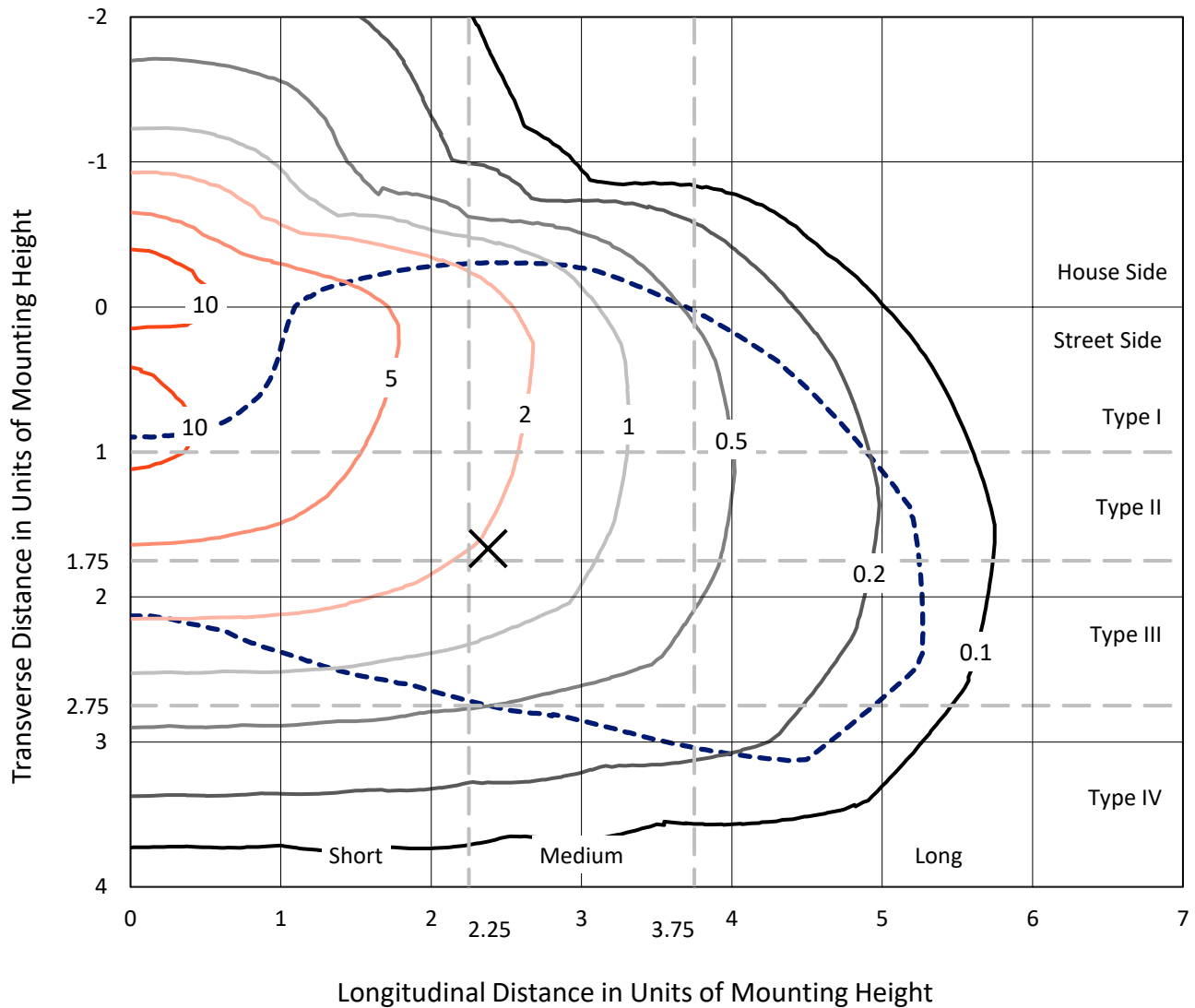


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

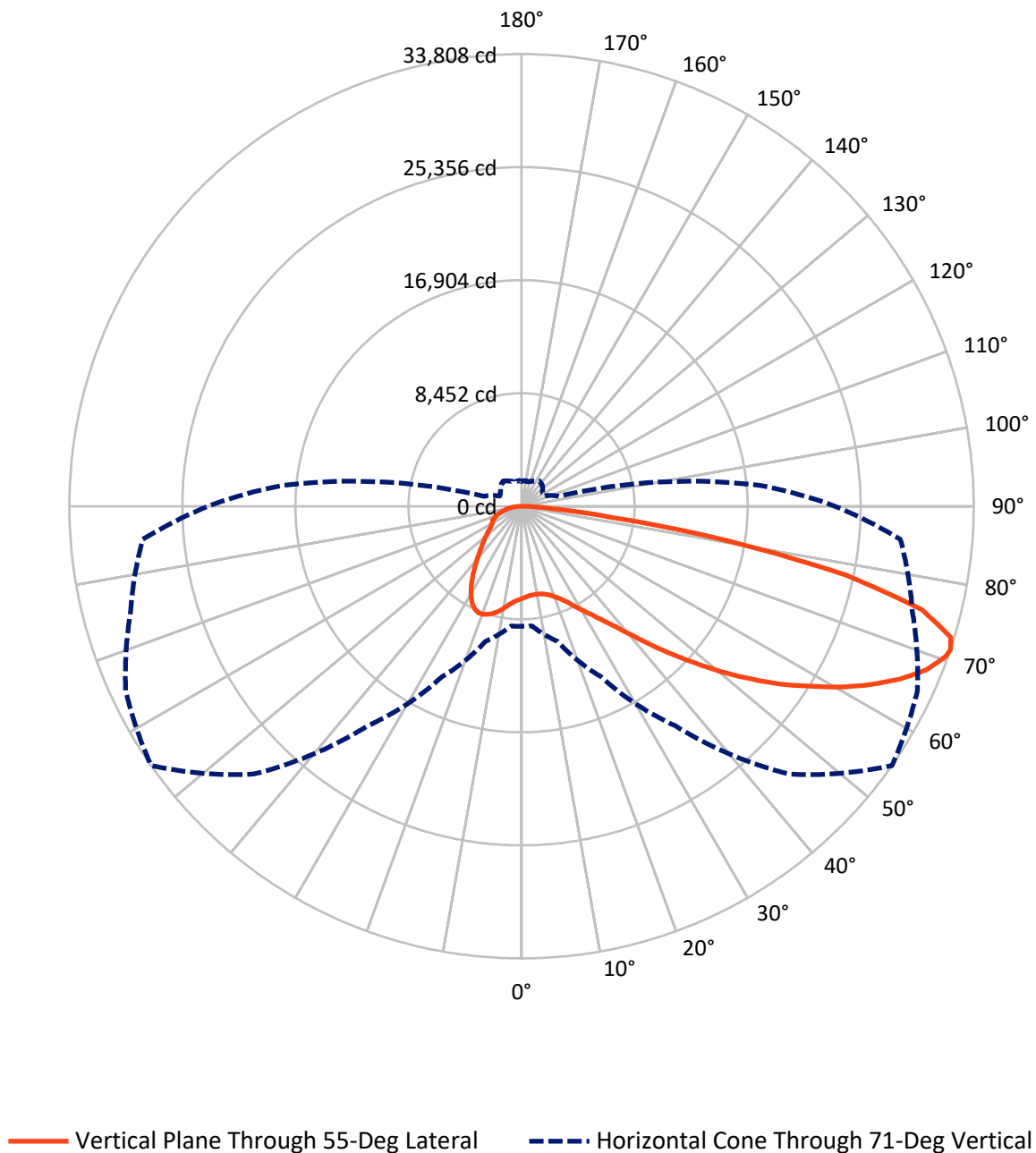


Based on 25 foot mounting height. Maximum calculated value = 12.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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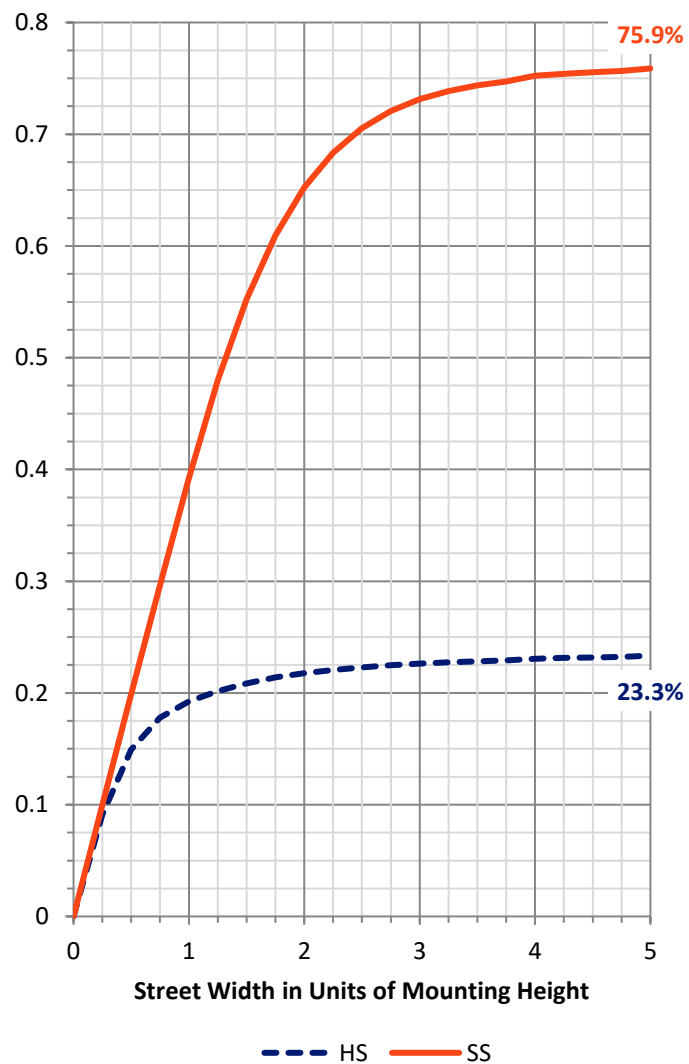
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14550.0	0.0	14550.0
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	46692.0	0.0	46692.0
	% Fixture	76.2	0.0	76.2
Total	Lumens	61242.0	0.0	61242.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	671.9	1.1
10°-20°	2135.8	3.5
20°-30°	3765.1	6.1
30°-40°	5640.3	9.2
40°-50°	8826.4	14.4
50°-60°	12974.1	21.2
60°-70°	15195.8	24.8
70°-80°	10292.4	16.8
80°-90°	1740.1	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°	61242.0	100.0
0°-180°	61242.0	100.0

Coefficient of Utilization



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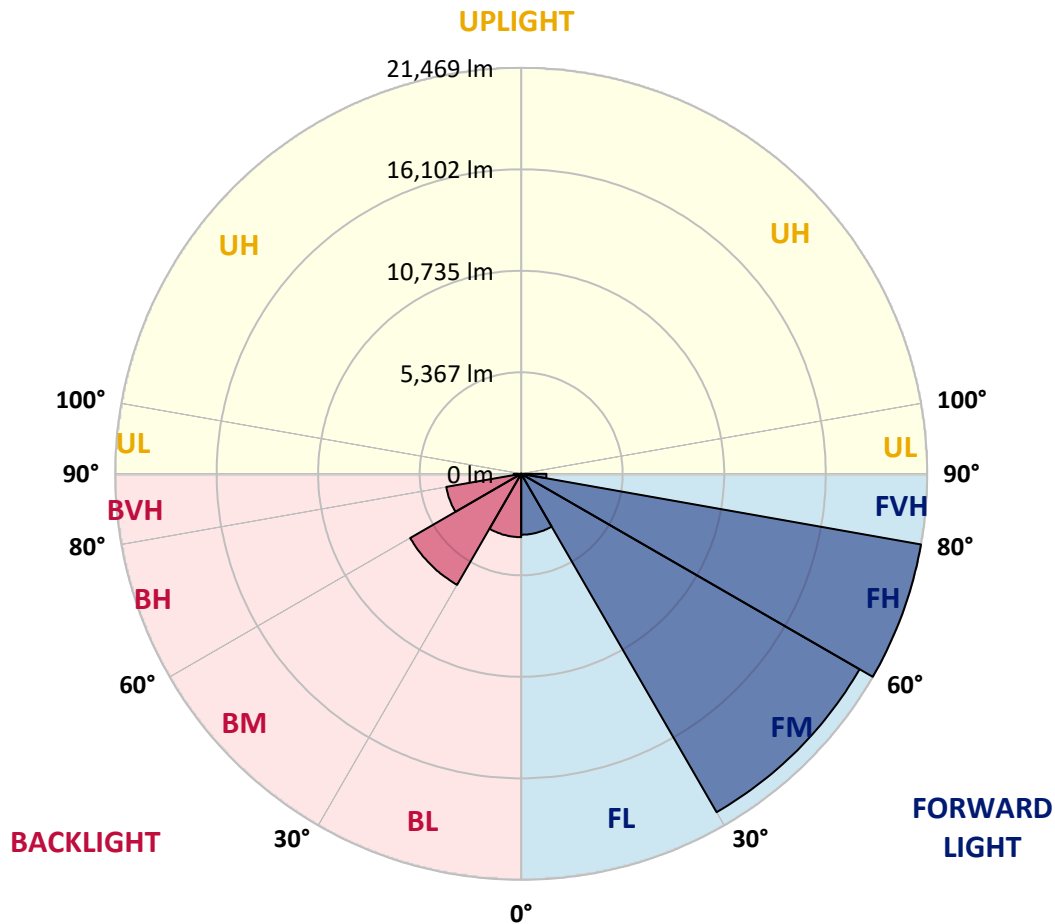
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3221.8	5.3			
FM	(30°-60°)	20661.8	33.7			
FH	(60°-80°)	21469.5	35.1			G5
FVH	(80°-90°)	1338.9	2.2			G5
BL	(0°-30°)	3351.1	5.5	B4/5000		
BM	(30°-60°)	6779.0	11.1	B4/8500		
BH	(60°-80°)	4018.7	6.6	B4/5000		G4/5000
BVH	(80°-90°)	401.2	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°	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7
2.5°	6788.6	6742.4	6743.9	6743.9	6738.0	6766.3	6781.1	6804.9	6827.3	6852.6	6877.9
5°	6614.5	6581.7	6592.2	6611.5	6623.4	6665.1	6699.3	6739.5	6776.7	6827.3	6861.5
7.5°	6447.8	6406.1	6438.9	6488.0	6523.7	6608.5	6671.0	6733.5	6788.6	6867.4	6918.0
10°	6360.0	6322.8	6363.0	6425.5	6483.5	6584.7	6678.5	6775.2	6873.4	7002.9	7065.4
12.5°	6389.8	6352.6	6383.8	6447.8	6507.3	6610.0	6720.1	6871.9	7014.8	7172.5	7254.3
15°	6532.6	6498.4	6519.2	6563.9	6598.1	6690.4	6825.8	7013.3	7190.4	7376.4	7462.7
17.5°	6855.5	6809.4	6787.1	6763.3	6769.2	6833.2	6989.5	7209.7	7409.1	7611.5	7697.8
20°	7330.2	7276.7	7233.5	7114.5	7041.5	7092.1	7230.5	7452.3	7665.1	7868.9	7953.7
22.5°	7985.0	7900.2	7807.9	7602.6	7455.2	7443.3	7529.6	7746.9	7952.2	8138.3	8238.0
25°	8611.5	8543.0	8449.3	8193.3	7965.6	7882.3	7937.4	8117.4	8287.1	8422.5	8508.8
27.5°	9339.1	9237.9	9063.8	8815.3	8557.9	8412.1	8464.1	8592.1	8715.6	8769.2	8819.8
30°	10121.9	10019.2	9834.7	9489.4	9185.9	9022.2	9032.6	9221.6	9254.3	9190.3	9215.6
32.5°	11132.3	11029.6	10810.8	10346.6	9947.8	9699.2	9681.4	9813.8	9816.8	9688.8	9682.9
35°	12412.0	12282.5	11971.5	11406.1	10876.3	10499.8	10467.1	10589.1	10598.0	10435.8	10386.7
37.5°	13840.5	13757.2	13467.0	12666.5	11970.0	11532.5	11415.0	11630.8	11693.3	11468.6	11367.4
40°	15473.0	15403.0	15194.7	14190.2	13312.3	12807.8	12650.1	12873.3	13014.7	12784.0	12651.6
42.5°	17301.8	17227.4	16801.8	15846.5	14949.2	14300.4	14139.6	14319.7	14632.2	14212.6	13955.1
45°	19282.4	19222.9	18539.9	17730.4	16827.1	16215.5	15755.7	15879.2	16215.5	15868.8	15422.4
47.5°	20827.0	20684.2	20209.5	19678.2	19001.2	18236.3	17531.0	17574.1	17846.4	17513.1	16825.6
50°	21972.8	21937.1	21548.7	21280.9	21288.3	20596.4	19481.8	19327.1	19608.3	19166.3	18343.4
52.5°	22989.2	22865.7	22538.3	22649.9	23322.5	23178.2	21423.8	21075.5	21444.6	20946.1	19901.5
55°	23203.5	22943.1	23108.2	23755.6	25029.3	25286.8	23481.8	23051.7	23343.4	22871.6	21517.5
57.5°	22664.8	22627.6	23212.4	24383.5	26346.3	26813.5	25382.0	25017.4	25038.3	24767.4	23096.3
60°	21361.3	21490.7	22779.4	24590.4	27387.9	28181.1	27440.0	26963.8	26727.2	26719.8	24568.0
62.5°	19322.6	19544.3	21280.9	24142.5	27681.1	29259.9	29349.2	28829.9	28289.7	28389.4	25765.9
65°	16721.4	16751.2	18718.4	22752.6	26992.1	30001.0	31118.5	30496.5	29605.2	29764.4	26390.9
67.5°	13684.3	13694.7	15544.4	19858.3	25358.2	30243.5	32640.8	31715.2	30353.7	30224.2	26096.3
70°	10379.3	10412.0	11854.0	15975.9	21959.5	29329.9	33645.3	32518.8	30454.9	29315.0	24524.9
71°	8977.5	8982.0	10471.6	14062.3	20035.4	28325.4	33807.5	32655.7	30249.5	28431.1	23440.1
72.5°	6712.7	6702.3	7999.9	11050.4	16724.4	25944.5	33563.4	32526.2	29663.2	26551.6	21310.7
75°	3523.8	3531.2	4233.6	6401.7	10617.4	19627.6	30919.1	30594.7	27258.5	21876.1	16590.5
77.5°	1843.7	1845.2	2230.6	3227.6	5526.7	11636.7	24780.8	25871.6	22703.5	15542.9	10903.1
80°	1229.1	1236.6	1441.9	1919.6	3031.2	4956.8	15502.7	17636.6	15261.7	8874.9	5684.4
82.5°	901.8	907.7	1083.3	1318.4	2044.6	2202.3	6821.3	9157.6	7456.7	3761.8	2330.3
85°	693.4	696.4	846.7	906.2	1352.7	1218.7	2211.3	3706.8	2897.3	769.3	651.8
87.5°	354.2	382.4	550.6	497.0	662.2	482.1	767.8	863.1	739.6	255.9	208.3
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°	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7	6892.7
2.5°	6898.7	6949.3	6982.0	6999.9	7037.1	7075.8	7127.9	7150.2	7163.6	7111.5
5°	6901.7	6996.9	7080.2	7165.1	7261.8	7346.6	7446.3	7499.9	7522.2	7467.1
7.5°	6979.1	7117.4	7254.3	7391.2	7540.1	7654.6	7793.0	7867.4	7915.0	7870.4
10°	7153.2	7348.1	7534.1	7694.8	7837.7	7952.2	8071.3	8142.7	8187.4	8133.8
12.5°	7367.4	7611.5	7833.2	8007.3	8132.3	8205.2	8281.1	8319.8	8349.6	8300.5
15°	7589.2	7870.4	8108.5	8263.3	8325.8	8367.4	8386.8	8386.8	8400.2	8343.6
17.5°	7846.6	8130.8	8355.5	8446.3	8459.7	8421.0	8391.2	8352.5	8325.8	8270.7
20°	8107.0	8383.8	8575.8	8575.8	8464.1	8339.1	8218.6	8136.8	8093.6	8037.1
22.5°	8379.3	8633.8	8737.9	8589.1	8306.4	8074.3	7912.1	7787.1	7743.9	7691.8
25°	8645.7	8874.9	8824.3	8435.9	8002.8	7654.6	7437.4	7316.8	7258.8	7220.1
27.5°	8932.9	9099.6	8797.5	8138.3	7519.2	7147.2	6907.6	6745.4	6666.6	6618.9
30°	9310.9	9322.8	8650.2	7662.1	6949.3	6513.3	6258.8	6086.2	6040.1	6002.9
32.5°	9748.3	9529.6	8379.3	7083.2	6297.5	5836.2	5592.2	5492.5	5425.5	5407.6
35°	10416.5	9737.9	8014.7	6485.0	5617.5	5209.7	4999.9	4891.3	4797.5	4764.8
37.5°	11276.6	9919.5	7532.6	5825.8	5023.7	4671.1	4489.5	4319.9	4163.6	4129.4
40°	12281.0	10087.6	6971.6	5260.3	4540.1	4260.3	4050.5	3809.5	3580.3	3544.6
42.5°	13345.0	10197.7	6404.7	4718.7	4181.5	3930.0	3647.3	3364.5	3162.1	3104.1
45°	14447.7	10178.4	5803.5	4258.9	3900.2	3624.9	3319.9	3062.4	2875.0	2840.7
47.5°	15417.9	10044.5	5269.3	3867.5	3626.4	3364.5	3071.4	2843.7	2684.5	2650.3
50°	16434.3	9833.2	4809.4	3523.8	3380.9	3162.1	2882.4	2687.5	2540.1	2508.9
52.5°	17352.4	9626.3	4278.2	3217.2	3177.0	3005.9	2766.3	2623.5	2441.9	2400.3
55°	18278.0	9441.8	3741.0	2936.0	3011.9	2897.3	2729.1	2650.3	2453.8	2391.3
57.5°	19264.6	9191.8	3247.0	2711.3	2873.5	2888.3	2790.1	2718.7	2531.2	2443.4
60°	20194.6	8703.7	2834.8	2544.6	2815.4	2977.6	2800.5	2562.5	2438.9	2360.1
62.5°	20898.5	7802.0	2544.6	2455.3	2854.1	2955.3	2616.0	2369.0	2311.0	2267.8
65°	21077.0	6377.9	2293.1	2366.0	2730.6	2769.3	2443.4	2224.7	2233.6	2197.9
67.5°	20468.4	4763.3	2075.9	2187.5	2495.5	2566.9	2287.2	2089.3	2166.6	2129.4
70°	18834.5	3343.7	1876.5	1992.5	2285.7	2388.4	2136.9	1950.9	2007.4	1955.3
71°	17922.3	2892.8	1799.1	1907.7	2200.9	2316.9	2072.9	1895.8	1922.6	1857.1
72.5°	15962.5	2367.5	1684.5	1778.2	2068.4	2206.8	1986.6	1796.1	1770.8	1727.6
75°	11483.4	1787.2	1486.6	1556.5	1846.7	2016.3	1803.5	1630.9	1558.0	1532.7
77.5°	6876.4	1385.4	1270.8	1321.4	1638.4	1806.5	1619.0	1452.4	1388.4	1363.1
80°	3147.3	1086.3	1044.6	1084.8	1398.8	1596.7	1446.4	1287.2	1208.3	1175.6
82.5°	1288.7	824.4	796.1	846.7	1163.7	1363.1	1241.1	1087.8	1043.1	931.5
85°	596.7	541.7	535.7	577.4	818.4	1003.0	910.7	796.1	680.0	659.2
87.5°	270.8	253.0	217.3	267.9	415.2	571.4	523.8	447.9	276.8	264.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)