

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: P639324

Luminaire Tested: **USSL-M-PA6C-730-U-T2U**

Issue Date: 1/25/2023

Test Information

Test Method: LM-79-08
Report Number: P639324
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2207-719-8)
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-T2U
Description: PREVAIL M AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LIGHT ENGINES AND TYPE II U OPTICS, BRONZE PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56068 lumens
Efficiency: N/A
Efficacy: 122.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - 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

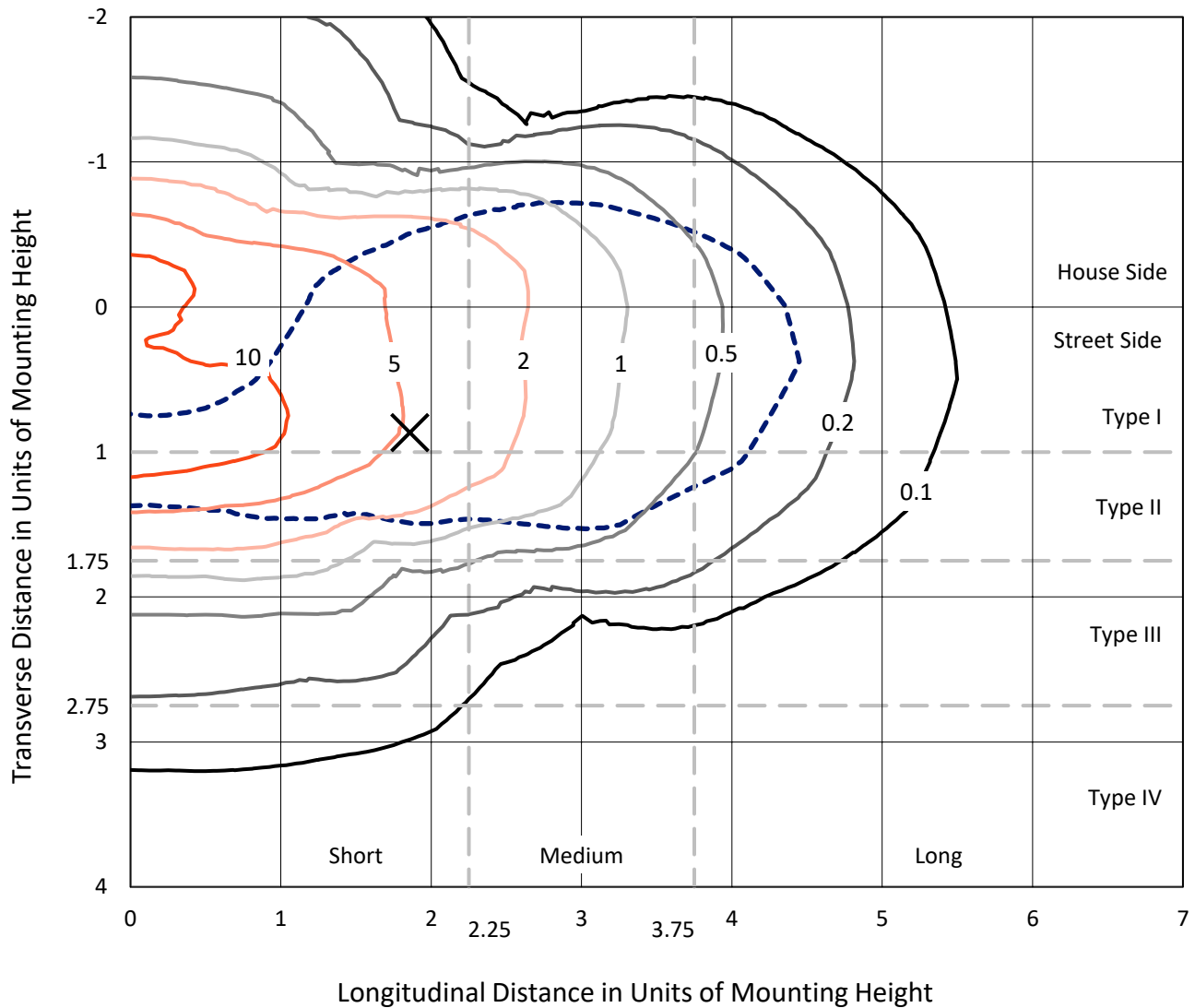


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

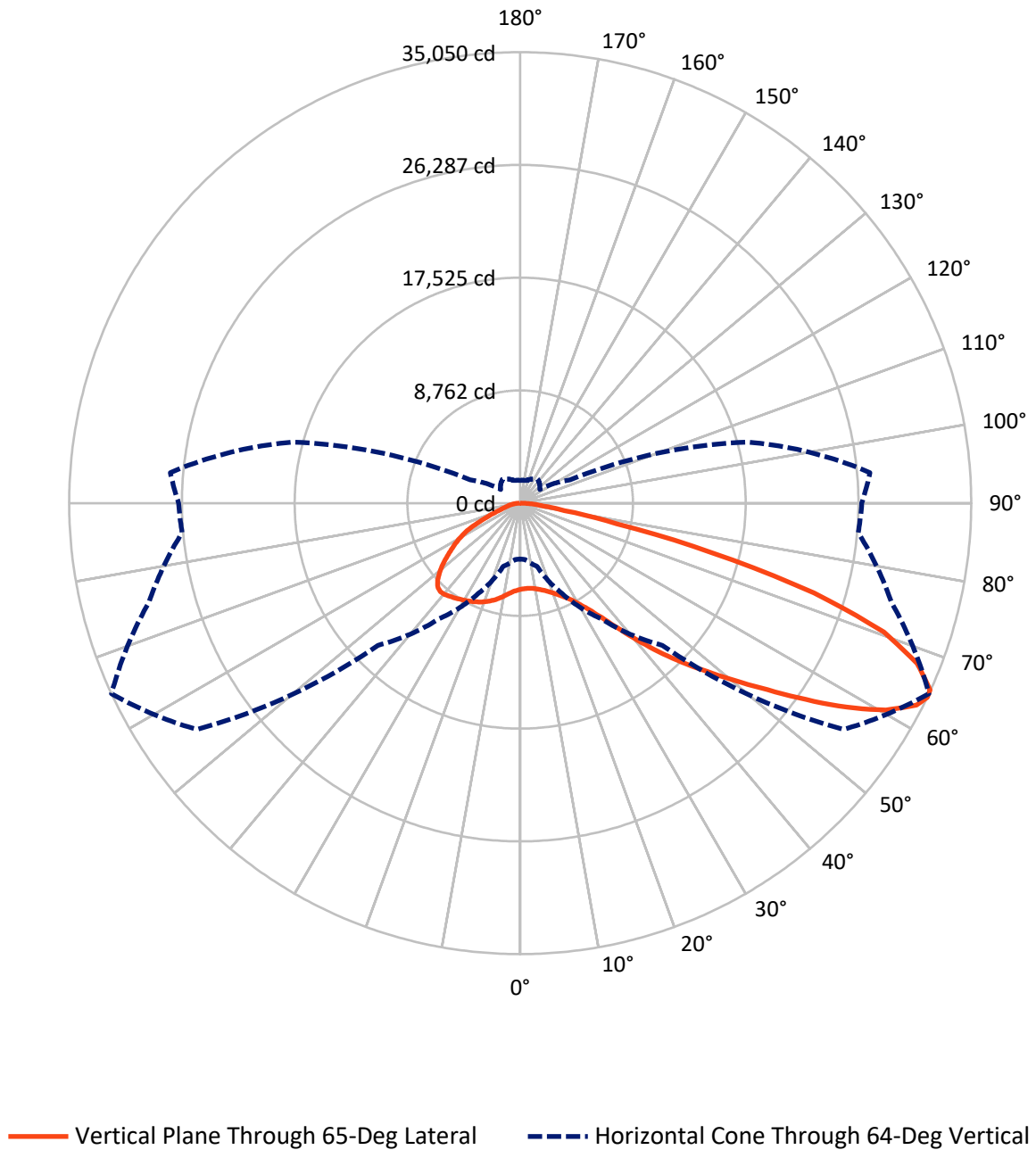


Based on 25 foot mounting height. Maximum calculated value = 14.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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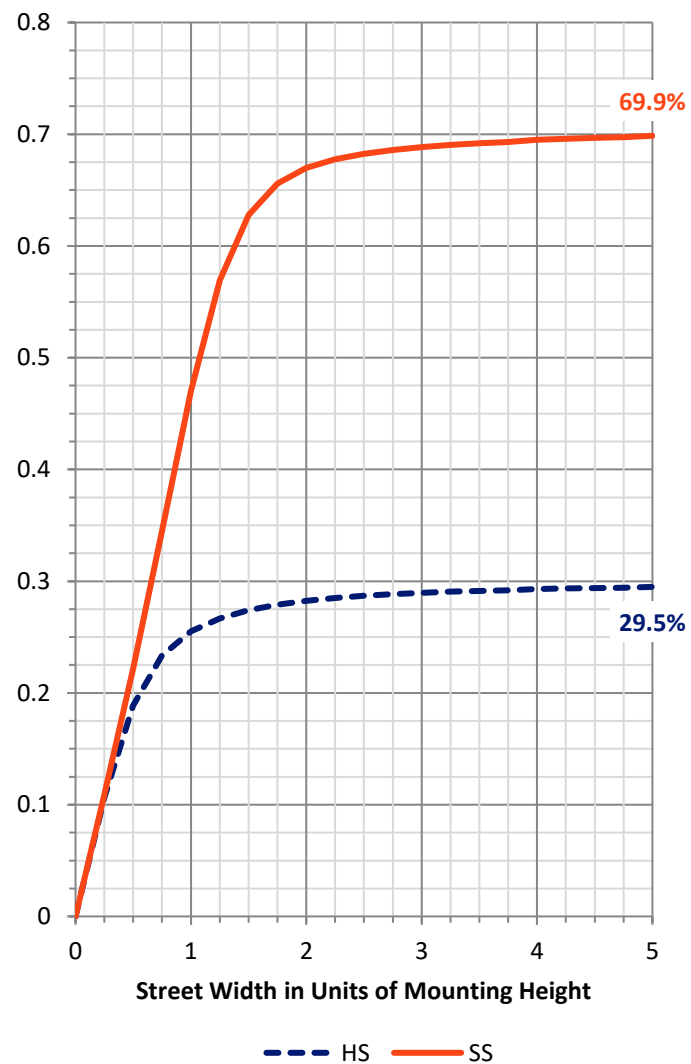
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16719.2	0.0	16719.2
	% Fixture	29.8	0.0	29.8
Street Side	Lumens	39348.8	0.0	39348.8
	% Fixture	70.2	0.0	70.2
Total	Lumens	56068.0	0.0	56068.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	660.2	1.2
10°-20°	2100.3	3.7
20°-30°	3774.1	6.7
30°-40°	6151.7	11.0
40°-50°	10255.5	18.3
50°-60°	13343.0	23.8
60°-70°	12036.3	21.5
70°-80°	6727.1	12.0
80°-90°	1019.8	1.8
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°	56068.0	100.0
0°-180°	56068.0	100.0

Coefficient of Utilization



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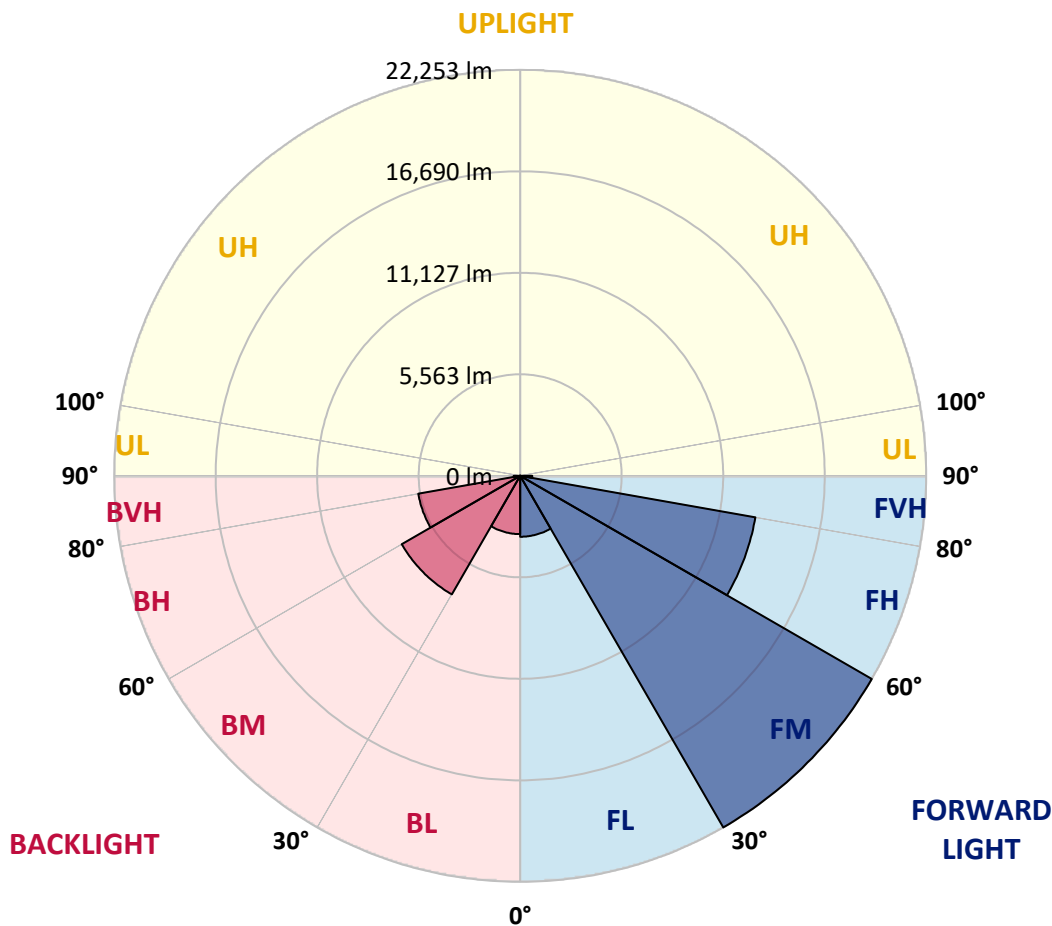
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3340.2	6.0			
FM	(30°-60°)	22253.1	39.7			
FH	(60°-80°)	13092.5	23.4			G5
FVH	(80°-90°)	663.1	1.2			G4/750
BL	(0°-30°)	3194.4	5.7	B4/5000		
BM	(30°-60°)	7497.1	13.4	B4/8500		
BH	(60°-80°)	5670.9	10.1	B5		G5
BVH	(80°-90°)	356.8	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7
2.5°	6685.3	6632.4	6635.1	6635.1	6636.5	6639.2	6648.7	6655.4	6662.2	6674.4	6700.2
5°	6648.7	6599.9	6606.7	6610.7	6618.9	6628.3	6639.2	6644.6	6655.4	6681.2	6716.4
7.5°	6621.6	6572.8	6582.3	6589.0	6602.6	6625.6	6659.5	6686.6	6702.9	6738.1	6785.5
10°	6666.3	6610.7	6620.2	6617.5	6624.3	6660.9	6713.7	6770.6	6793.7	6839.8	6899.4
12.5°	6786.9	6731.3	6734.0	6713.7	6720.5	6761.2	6820.8	6891.3	6918.4	6967.1	7028.1
15°	6975.3	6899.4	6900.7	6884.5	6879.1	6918.4	6968.5	7033.5	7060.7	7110.8	7167.7
17.5°	7295.1	7224.6	7192.1	7121.6	7097.2	7131.1	7178.6	7232.8	7257.2	7277.5	7329.0
20°	7850.7	7764.0	7692.2	7555.3	7430.6	7403.5	7426.6	7476.7	7476.7	7465.9	7509.2
22.5°	8644.9	8563.6	8456.5	8216.6	7925.3	7778.9	7730.1	7761.3	7736.9	7689.5	7699.0
25°	9612.5	9444.5	9353.7	9060.9	8601.5	8292.5	8119.1	8097.4	8070.3	7993.0	7971.4
27.5°	10809.2	10652.0	10422.9	10013.7	9411.9	8956.6	8634.1	8533.8	8471.4	8327.8	8265.4
30°	12213.2	11973.3	11692.8	11119.5	10374.1	9764.3	9292.7	9115.2	8967.4	8715.4	8601.5
32.5°	13793.3	13525.0	13188.9	12444.9	11535.6	10750.9	10170.9	9868.7	9639.6	9311.7	9098.9
35°	15902.1	15644.6	14980.5	14125.4	12919.2	11943.5	11279.4	10917.6	10637.1	10199.3	9913.4
37.5°	18563.7	18097.5	17224.7	16178.5	14655.3	13424.7	12604.8	12306.7	11971.9	11401.4	11005.7
40°	20829.6	20359.3	19692.6	18510.8	16883.2	15395.2	14338.1	13947.8	13539.9	12774.2	12332.4
42.5°	22569.7	22099.4	21607.5	20818.8	19531.3	18016.2	16286.9	15778.7	15198.7	14241.9	13657.8
45°	23617.3	23091.5	22842.1	22694.4	22251.2	22271.5	18622.0	17643.5	16854.8	15778.7	15060.5
47.5°	23922.2	23363.9	23415.3	23869.3	24553.7	25339.7	21355.4	19555.7	18533.9	17219.3	16513.3
50°	22938.3	22526.3	23091.5	24465.6	26361.6	27716.8	24378.9	21663.1	20241.4	18806.3	17953.8
52.5°	19855.2	19847.1	21097.9	23811.1	27445.7	29844.5	27479.6	24082.1	22023.5	20353.9	19462.2
55°	15698.8	15694.7	17554.1	21127.8	27021.6	30646.8	30087.1	26940.3	23870.7	21855.5	21026.1
57.5°	11015.2	11387.8	13535.9	16872.4	23937.1	30065.4	31690.3	29931.2	25684.0	23323.2	22533.1
60°	7193.5	7345.2	9548.8	13171.3	18779.2	26970.1	32363.8	32652.5	27432.2	24603.9	24065.9
62.5°	5126.8	5159.3	6190.6	9840.2	13380.0	20951.6	31789.2	34564.7	29047.6	25763.9	25640.6
64°	4342.1	4392.2	5086.1	7777.6	10962.3	15625.6	30654.9	35049.8	29878.4	26371.1	26544.5
65°	3928.8	3976.2	4535.9	6555.2	9773.8	12649.5	29271.2	35007.8	30421.8	26727.5	27101.5
67.5°	3221.3	3225.4	3526.3	4502.0	7289.7	7400.8	22417.9	33262.3	31083.1	27266.9	28169.4
70°	2881.2	2896.1	3058.7	3409.7	5442.5	4950.6	12675.3	29975.9	30367.6	27041.9	28261.6
72.5°	2358.1	2401.4	2665.7	2946.2	3905.7	3469.3	5934.5	23880.2	27302.1	25745.0	26747.8
75°	1837.7	1868.8	2123.6	2599.3	2802.6	2593.9	3289.1	15423.7	21881.2	22835.3	22815.0
77.5°	1383.7	1414.8	1633.0	2057.2	2493.6	1927.1	2217.1	7665.1	15121.5	17270.8	16430.6
80°	1046.2	1044.9	1237.3	1550.4	2035.5	1446.0	1497.5	3474.8	8643.5	10330.8	9120.6
82.5°	721.0	735.9	909.3	1188.5	1409.4	1391.8	1048.9	1798.4	3823.1	4347.5	4184.9
85°	505.5	498.7	643.7	783.3	929.7	1006.9	702.0	1011.0	1654.7	866.0	771.1
87.5°	281.9	280.5	382.2	432.3	463.5	406.6	418.8	393.0	650.5	341.5	219.5
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°	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7	6690.7
2.5°	6693.4	6732.7	6767.9	6800.5	6811.3	6842.5	6877.7	6885.8	6895.3	6823.5
5°	6727.3	6805.9	6892.6	6964.4	7028.1	7095.9	7178.6	7194.8	7230.1	7139.3
7.5°	6822.1	6938.7	7079.6	7198.9	7305.9	7403.5	7509.2	7548.5	7571.6	7483.5
10°	6949.5	7117.6	7293.7	7474.0	7604.1	7712.5	7796.5	7797.9	7822.3	7738.3
12.5°	7093.2	7300.5	7525.5	7724.7	7856.2	7911.7	7928.0	7880.6	7881.9	7791.1
15°	7236.8	7479.4	7751.8	7941.5	8002.5	7968.6	7925.3	7862.9	7852.1	7755.9
17.5°	7411.7	7670.5	7941.5	8090.6	8039.1	7938.8	7886.0	7811.4	7803.3	7703.0
20°	7581.1	7865.6	8123.1	8166.5	7994.4	7849.4	7774.8	7663.7	7643.4	7539.0
22.5°	7754.5	8044.5	8284.4	8173.3	7888.7	7662.4	7522.8	7372.4	7338.5	7246.3
25°	7979.5	8228.8	8422.6	8119.1	7675.9	7316.8	7106.7	6949.5	6931.9	6860.1
27.5°	8276.3	8475.5	8560.9	7999.8	7333.1	6839.8	6579.6	6435.9	6456.2	6366.8
30°	8558.2	8739.8	8686.9	7789.8	6842.5	6221.8	6000.9	5893.8	5929.1	5841.0
32.5°	8956.6	9058.2	8804.8	7483.5	6274.6	5635.0	5448.0	5297.5	5265.0	5244.7
35°	9687.1	9649.1	8941.7	7124.3	5704.1	5087.5	4816.4	4564.4	4504.7	4405.8
37.5°	10688.6	10500.2	9065.0	6735.4	5164.7	4530.5	4164.6	3878.6	3781.0	3703.8
40°	11850.0	11492.2	9199.2	6267.9	4663.3	3977.5	3642.8	3342.0	3236.2	3205.1
42.5°	13118.4	12474.7	9266.9	5632.3	4207.9	3630.6	3245.7	2972.0	2852.7	2794.4
45°	14461.5	13408.5	9135.5	4931.6	3852.9	3373.1	2957.1	2619.6	2484.1	2466.5
47.5°	15784.2	14152.5	8768.2	4319.1	3596.7	3182.0	2634.5	2412.3	2332.3	2306.6
50°	17273.5	14770.5	8207.2	3782.4	3370.4	2889.3	2477.3	2314.7	2249.7	2232.0
52.5°	18834.7	15289.5	7554.0	3370.4	3091.2	2715.8	2397.4	2222.5	2173.8	2158.9
55°	20492.2	15790.9	6847.9	2995.0	2756.5	2640.0	2324.2	2145.3	2111.4	2103.3
57.5°	22340.7	16372.3	6187.9	2585.7	2551.9	2566.8	2270.0	2091.1	2065.3	2059.9
60°	24236.6	17101.4	5557.7	2252.4	2390.6	2496.3	2214.4	2020.6	1973.2	1956.9
62.5°	26203.0	17906.4	4824.6	1988.1	2229.3	2401.4	2130.4	1906.8	1862.1	1840.4
64°	27294.0	18326.5	4292.0	1855.3	2137.2	2324.2	2057.2	1820.0	1787.5	1765.8
65°	27902.5	18558.3	3862.4	1779.4	2070.8	2264.6	1998.9	1755.0	1741.4	1717.1
67.5°	28767.1	18642.3	2888.0	1618.1	1882.4	2078.9	1824.1	1607.3	1641.2	1596.4
70°	28128.8	17845.4	2081.6	1469.0	1673.7	1866.1	1664.2	1452.8	1494.8	1421.6
72.5°	25631.1	15458.9	1572.0	1307.8	1460.9	1647.9	1479.9	1280.7	1249.5	1199.4
75°	20587.0	11494.9	1245.4	1153.3	1259.0	1423.0	1292.9	1096.4	1028.6	1004.2
77.5°	14503.5	6796.4	1006.9	987.9	1069.3	1185.8	1105.9	932.4	844.3	838.9
80°	7903.6	2989.6	821.3	814.5	864.6	969.0	928.3	772.5	677.6	654.6
82.5°	2989.6	1280.7	623.4	630.2	666.8	749.4	726.4	588.2	540.7	448.6
85°	761.6	631.5	405.2	407.9	401.1	493.3	485.2	383.5	326.6	299.5
87.5°	304.9	235.8	151.8	165.3	157.2	227.7	231.7	181.6	111.1	96.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)