

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: P285788

Luminaire Tested: **USSL-XL-C069-D-U-T3-AP-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P285788
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1902-125-7)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: USSL-XL-C069-D-U-T3-AP-7030
Description: PREVAIL XL AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K LEDS AND TYPE III OPTICS, GRAY PAINTED FINISH
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42795.6 lumens
Efficiency: N/A
Efficacy: 150.2 lumens/watt
Luminous Opening: Rectangular (W 1.29' x L: 1.79' x H: 0')
IES Classification: Type III - Medium - Non-Cutoff
BUG Rating: B4 - U0 - G5

Input Watts (W): 285
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: 28.75 FT

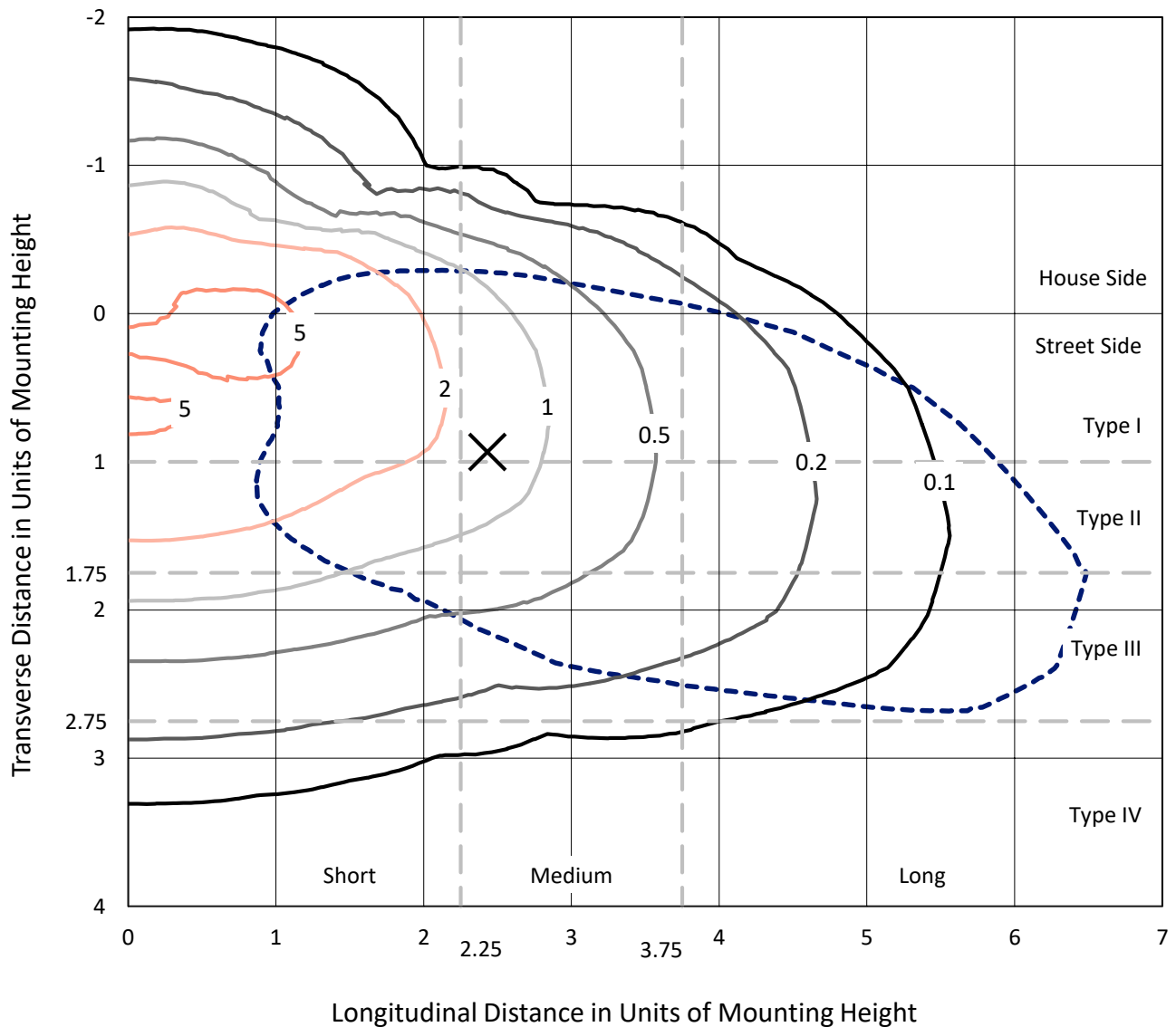


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

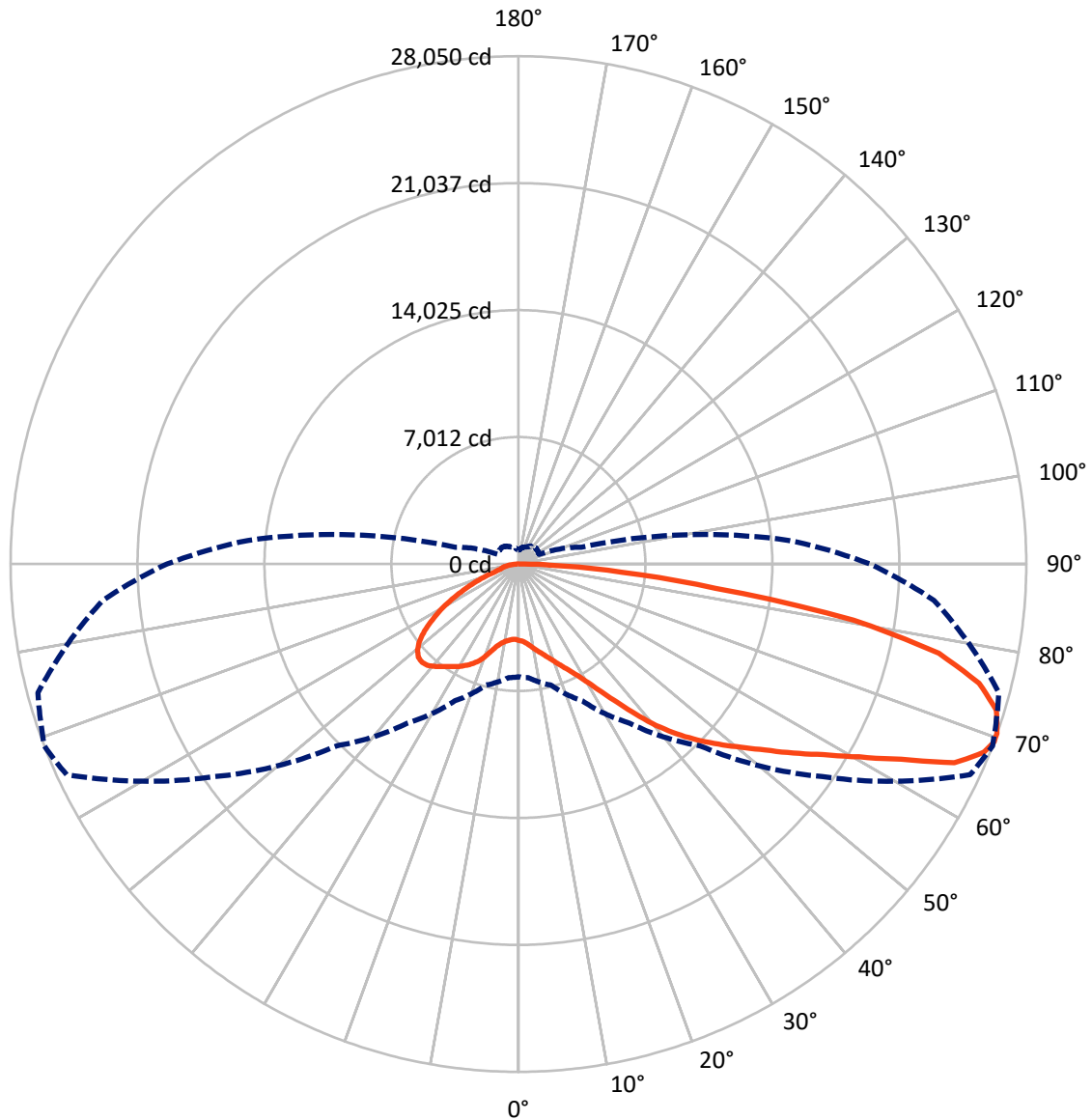


Based on 30 foot mounting height. Maximum calculated value = 6.5 fc
 Type III - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 69-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical



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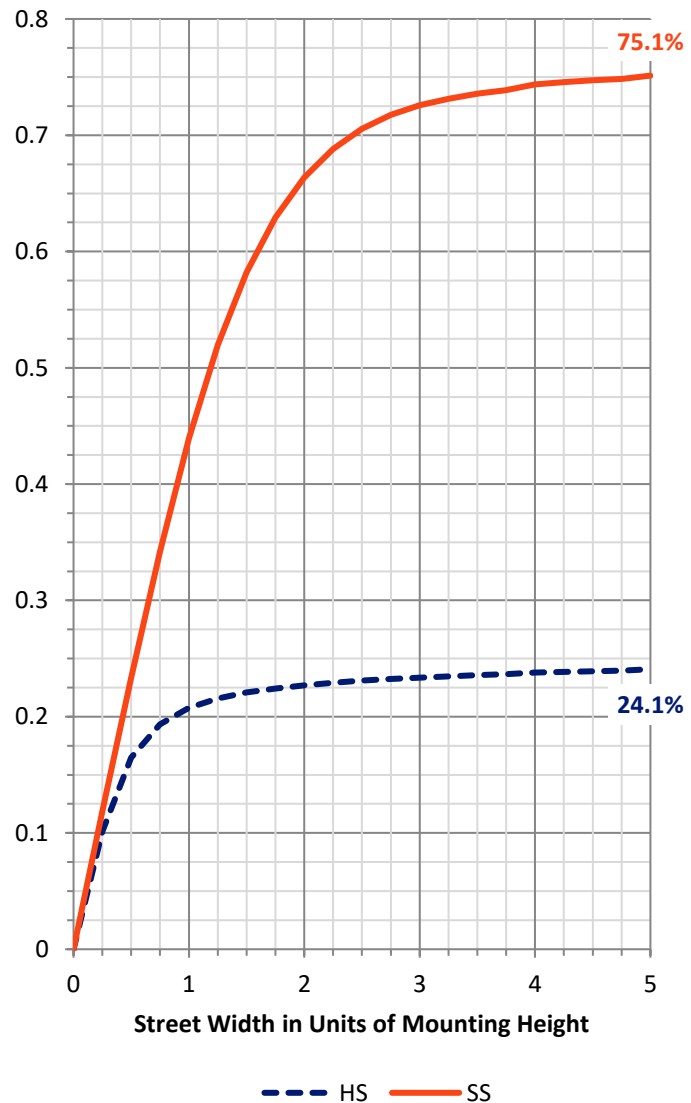
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10521.4	0.0	10521.4
	% Fixture	24.6	0.0	24.6
Street Side	Lumens	32274.2	0.0	32274.2
	% Fixture	75.4	0.0	75.4
Total	Lumens	42795.6	0.0	42795.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	415.9	1.0
10°-20°	1355.5	3.2
20°-30°	2538.6	5.9
30°-40°	4313.4	10.1
40°-50°	6619.1	15.5
50°-60°	8648.2	20.2
60°-70°	9847.6	23.0
70°-80°	7434.7	17.4
80°-90°	1622.5	3.8
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°	42795.6	100.0
0°-180°	42795.6	100.0

Coefficient of Utilization



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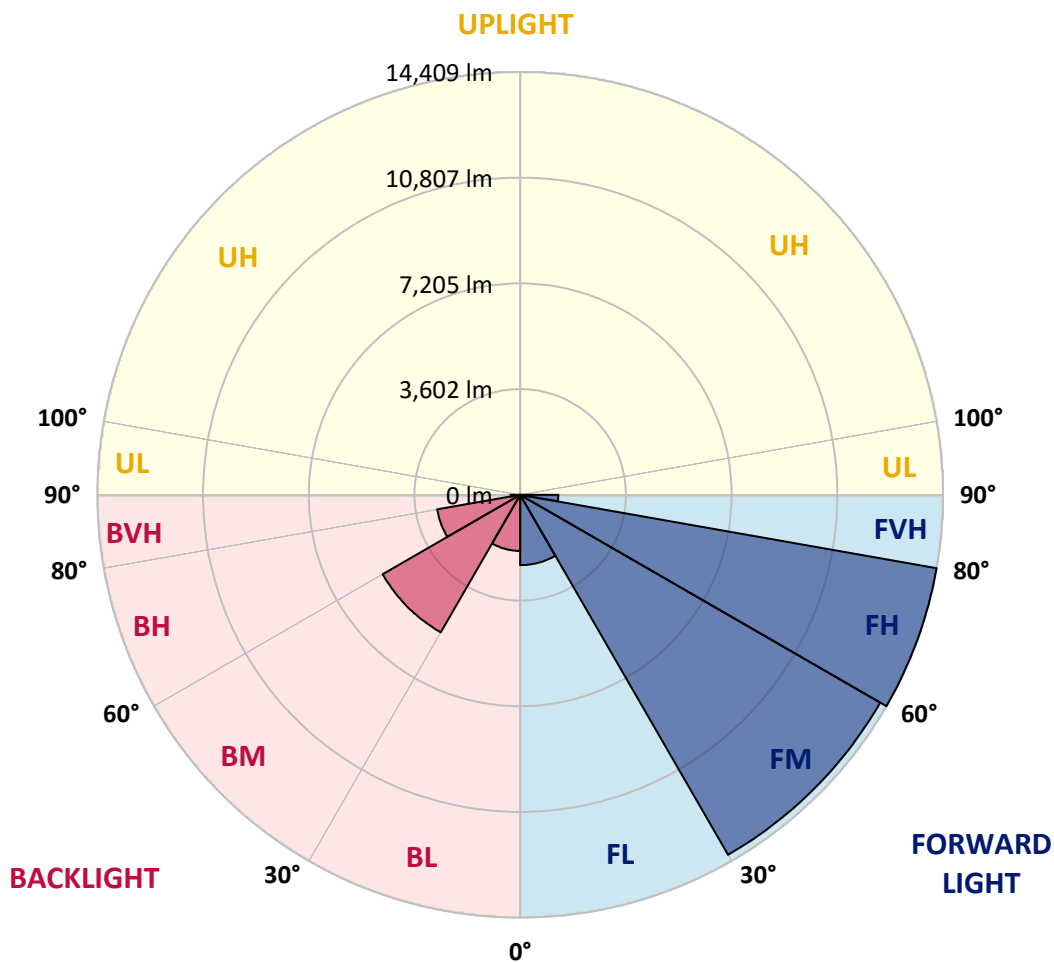
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2396.9	5.6			
FM	(30°-60°)	14167.0	33.1			
FH	(60°-80°)	14409.4	33.7			G5
FVH	(80°-90°)	1300.8	3.0			G5
BL	(0°-30°)	1913.1	4.5	B3/2500		
BM	(30°-60°)	5413.7	12.7	B4/8500		
BH	(60°-80°)	2872.9	6.7	B4/5000		G4/5000
BVH	(80°-90°)	321.7	0.8			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	69°	75°	85°
0°	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2
2.5°	4382.8	4395.8	4394.2	4387.7	4384.4	4366.4	4343.5	4313.9	4264.8	4241.8	4212.4
5°	4569.5	4579.3	4581.0	4569.5	4556.4	4528.5	4481.0	4435.2	4381.1	4348.3	4291.0
7.5°	4728.4	4736.6	4751.4	4741.6	4735.0	4712.1	4666.2	4612.2	4541.7	4495.8	4415.5
10°	4856.2	4862.8	4874.3	4890.7	4921.8	4902.1	4848.1	4810.4	4746.4	4676.1	4576.1
12.5°	4948.0	4943.1	4975.8	5005.4	5069.2	5090.5	5052.9	5025.0	4962.8	4890.7	4772.7
15°	4990.5	4988.9	5046.3	5120.1	5215.0	5249.5	5249.5	5218.3	5184.0	5128.2	5003.7
17.5°	5082.3	5088.9	5126.6	5221.6	5323.1	5403.5	5480.4	5483.7	5457.5	5419.9	5290.4
20°	5223.3	5234.7	5254.3	5329.7	5442.8	5583.7	5727.9	5780.3	5767.2	5752.5	5650.9
22.5°	5400.2	5405.1	5400.2	5465.7	5616.4	5806.6	6014.6	6101.4	6109.6	6111.3	6060.5
25°	5683.6	5662.3	5608.2	5667.3	5842.6	6062.1	6316.1	6460.2	6497.9	6532.4	6653.5
27.5°	6201.4	6152.2	6050.7	6030.9	6130.9	6371.8	6686.4	6927.2	6981.2	7076.3	7399.1
30°	7037.0	6971.4	6876.4	6586.4	6547.1	6753.5	7153.3	7497.3	7605.5	7893.8	8265.7
32.5°	7884.1	7841.5	7734.9	7456.4	7161.5	7238.5	7631.7	8169.1	8401.7	8985.0	9329.1
35°	8611.5	8590.2	8529.5	8393.6	8051.1	7834.9	8177.3	8924.4	9358.6	10269.6	10579.2
37.5°	9312.7	9302.8	9306.1	9121.0	8976.8	8665.5	8803.2	9805.9	10518.6	11614.7	11822.8
40°	9925.4	9930.4	9981.2	9896.0	9871.4	9678.1	9540.5	10746.3	11722.8	12945.1	12994.2
42.5°	10428.5	10433.3	10669.3	10541.6	10693.9	10651.3	10453.1	11624.5	12830.4	14021.5	14015.0
45°	10759.5	10767.6	11000.3	11103.5	11426.3	11567.1	11419.7	12525.6	13864.2	15017.6	14888.2
47.5°	11005.2	10998.6	11131.4	11547.5	12098.0	12376.6	12430.6	13549.7	14866.9	15940.0	15715.6
50°	11137.9	11152.7	11406.6	11962.0	12774.7	13163.0	13459.6	14758.8	15895.9	16829.7	16513.6
52.5°	11221.5	11295.1	11667.1	12327.4	13385.8	13993.6	14365.6	16099.0	17055.8	17753.7	17358.9
55°	11280.4	11414.8	11781.7	12519.1	13765.9	14667.0	15215.9	17481.8	18425.5	18800.7	18286.2
57.5°	10859.4	10988.8	11585.1	12548.6	14065.7	15220.8	16121.9	18941.7	19854.3	20091.8	19203.8
60°	10140.1	10217.1	10985.5	12317.5	14000.2	15723.8	17311.5	20673.5	21628.6	21646.7	20170.4
62.5°	9399.5	9430.7	10207.3	11714.7	13705.2	15889.3	18500.9	22981.9	23732.3	23503.0	21197.7
65°	8416.5	8450.9	9252.1	10723.4	12992.6	15705.8	19474.1	25415.0	26465.2	25852.4	22216.8
67.5°	7132.0	7207.3	7951.2	9314.4	11724.4	14996.3	20172.1	27091.0	27734.9	27207.4	22921.3
69°	6232.5	6302.9	6927.2	8339.5	10736.5	14196.8	20465.4	27533.4	28049.5	27474.5	23039.3
70°	5585.4	5639.4	6224.3	7610.4	9963.2	13513.6	20529.2	27653.0	28033.2	27484.3	22975.3
72.5°	3981.3	4027.2	4345.1	5324.8	7551.5	11319.7	20216.3	27328.7	27607.2	26815.8	22138.1
75°	2944.2	2980.2	3170.3	3517.7	4395.8	8010.2	18266.6	25980.3	26276.8	25354.4	20393.2
77.5°	2136.4	2166.0	2349.5	2688.6	3093.3	3771.7	12663.3	23447.2	23738.9	22998.3	17555.5
80°	1458.2	1489.3	1654.8	1941.5	2261.0	2510.1	6217.8	17160.7	18768.0	18407.5	12510.8
82.5°	273.7	335.9	711.1	1007.6	1271.5	1359.9	2351.1	9435.5	10964.2	11183.7	6524.1
85°	181.9	196.6	434.1	422.7	414.5	607.9	920.7	4523.7	5722.9	5929.4	2816.5
87.5°	90.1	95.1	129.4	178.6	227.8	273.7	303.1	1192.8	1723.6	1848.1	525.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2	4222.2
2.5°	4200.9	4192.6	4168.2	4158.3	4151.7	4148.4	4109.1	4102.6	4082.9	4069.8	4058.4
5°	4263.1	4250.0	4192.6	4171.3	4138.6	4110.7	4045.2	4017.3	3997.7	3971.6	3960.0
7.5°	4372.9	4349.9	4263.1	4223.8	4166.5	4119.0	4028.9	3986.3	3948.6	3912.5	3905.9
10°	4522.0	4479.5	4359.8	4299.2	4215.6	4159.9	4055.1	3973.1	3917.4	3876.5	3874.8
12.5°	4717.0	4653.1	4508.9	4428.6	4325.3	4240.2	4120.6	3997.7	3905.9	3840.4	3837.2
15°	4949.6	4882.4	4736.6	4633.5	4512.2	4397.5	4205.8	4023.9	3871.6	3766.7	3753.6
17.5°	5234.7	5170.8	5038.1	4954.5	4784.2	4558.1	4286.0	4014.1	3796.2	3652.0	3630.7
20°	5595.2	5613.2	5488.7	5306.8	5023.4	4690.8	4325.3	3963.3	3647.1	3445.5	3416.1
22.5°	6098.1	6158.8	5950.7	5616.4	5205.3	4761.2	4309.0	3829.0	3442.3	3198.1	3173.6
25°	6714.1	6696.1	6320.9	5844.2	5298.7	4759.6	4217.2	3637.3	3181.8	2906.6	2888.5
27.5°	7358.0	7249.9	6670.0	6003.2	5315.0	4669.5	4037.1	3348.9	2882.0	2652.6	2598.6
30°	8178.9	7877.5	7027.1	6137.5	5260.9	4497.5	3711.0	3072.0	2710.0	2460.9	2424.8
32.5°	9127.5	8626.2	7428.5	6178.5	5141.4	4233.7	3357.1	2944.2	2596.9	2313.4	2272.4
35°	10230.3	9584.7	7893.8	6193.2	4913.6	3842.0	3165.4	2870.5	2521.5	2200.4	2146.3
37.5°	11383.6	10600.5	8467.3	6176.8	4648.2	3412.8	3031.1	2764.0	2436.3	2174.2	2143.0
40°	12425.7	11578.7	9114.5	6130.9	4284.4	3134.2	2885.3	2616.6	2362.6	2164.3	2139.7
42.5°	13380.9	12430.6	9733.8	6053.9	3830.6	2936.0	2724.7	2506.8	2269.2	2026.7	1977.6
45°	14208.3	13217.1	10192.5	5870.5	3322.7	2732.8	2531.4	2354.4	2130.0	1889.1	1839.9
47.5°	14917.7	13865.8	10553.0	5555.9	2913.1	2542.8	2311.7	2172.5	1976.0	1746.5	1697.4
50°	15641.9	14393.4	10764.3	5036.4	2570.7	2324.9	2093.8	1961.1	1792.4	1625.3	1595.8
52.5°	16418.5	15250.3	11072.4	4181.2	2254.4	2095.5	1862.9	1718.7	1594.2	1523.7	1495.8
55°	17203.2	16010.5	11185.4	3162.1	1977.6	1915.3	1645.0	1458.2	1369.7	1325.5	1318.9
57.5°	17983.2	16659.3	10798.8	2251.1	1794.1	1707.2	1412.3	1235.3	1130.5	1161.7	1209.1
60°	18781.1	17132.9	9810.8	1761.2	1649.8	1458.2	1215.7	1084.6	1038.7	1004.4	1006.0
62.5°	19518.4	17354.1	8129.8	1495.8	1510.6	1304.2	1146.9	1019.1	973.2	914.3	896.3
65°	20008.3	16964.1	6345.5	1384.4	1384.4	1264.9	1143.6	1020.7	958.5	855.2	837.2
67.5°	19867.3	15948.3	4695.7	1284.5	1304.2	1281.2	1171.5	1017.5	940.4	842.1	835.6
69°	19413.4	14975.0	3606.1	1255.0	1291.1	1295.9	1204.3	1033.8	960.1	811.0	775.0
70°	18958.0	14224.7	2985.2	1230.4	1287.8	1305.8	1230.4	1053.5	945.3	761.9	739.0
72.5°	17409.7	12022.7	1504.1	1135.4	1282.9	1317.2	1287.8	1127.2	937.2	734.0	714.4
75°	15306.0	9247.2	965.0	1055.1	1241.9	1330.4	1333.7	1196.0	940.4	717.7	693.1
77.5°	12263.5	5360.9	801.2	965.0	1164.9	1304.2	1348.4	1248.5	979.8	745.4	717.7
80°	6520.8	2120.1	643.9	824.1	1066.6	1225.6	1307.5	1230.4	969.9	622.6	604.6
82.5°	2886.8	658.6	471.9	647.2	838.9	1071.6	1110.9	1083.0	848.7	376.8	430.8
85°	811.0	272.0	314.6	465.3	580.0	758.6	870.0	873.3	658.6	163.9	37.7
87.5°	83.5	62.2	91.8	178.6	334.2	525.9	635.7	609.4	440.7	139.3	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)