

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: P322211

Luminaire Tested: **GAN-SA7C-730-U-T3-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322211
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-15)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA7C-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33202 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G5

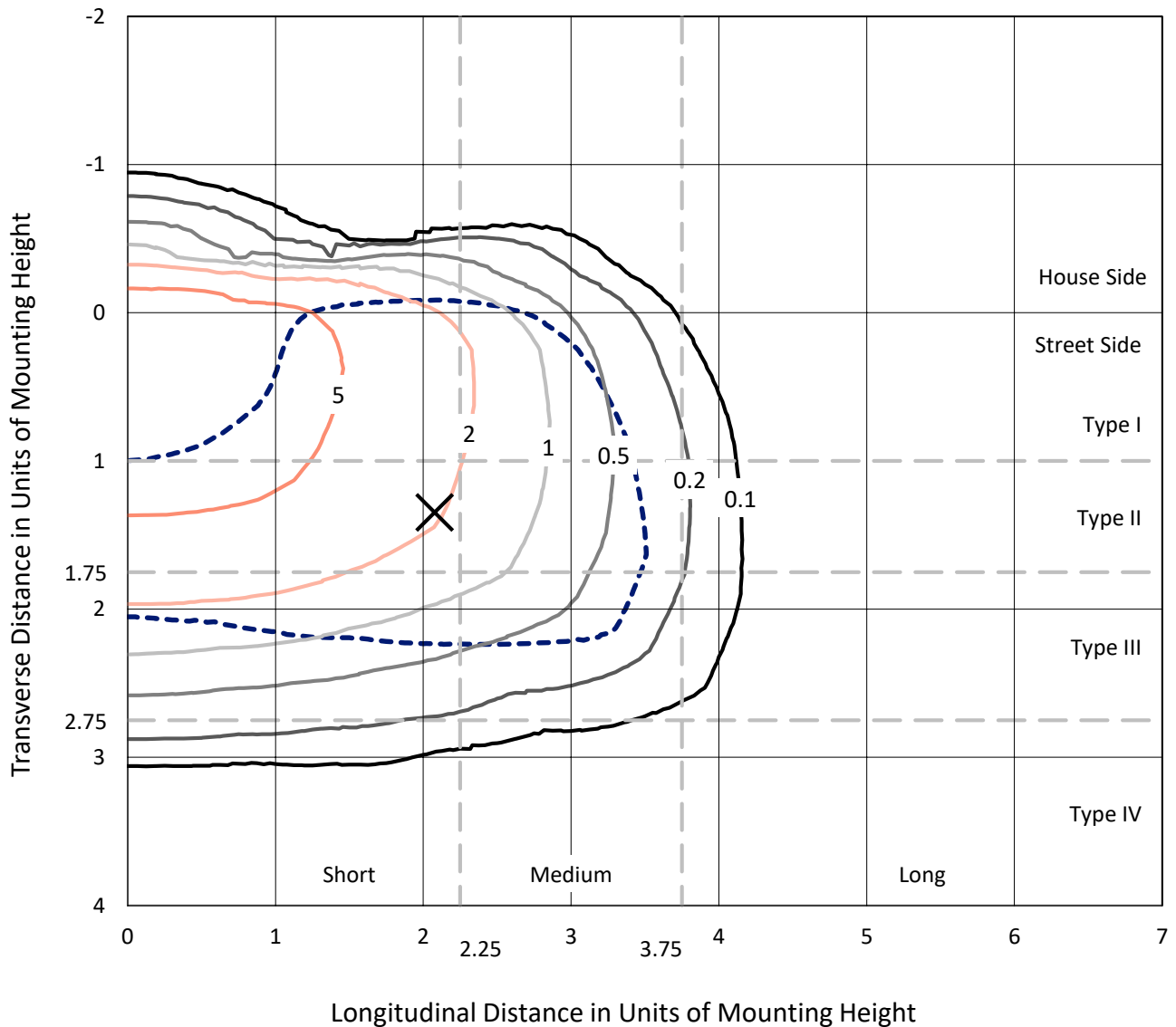
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P322211
 CATALOG NUMBER: GAN-SA7C-730-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

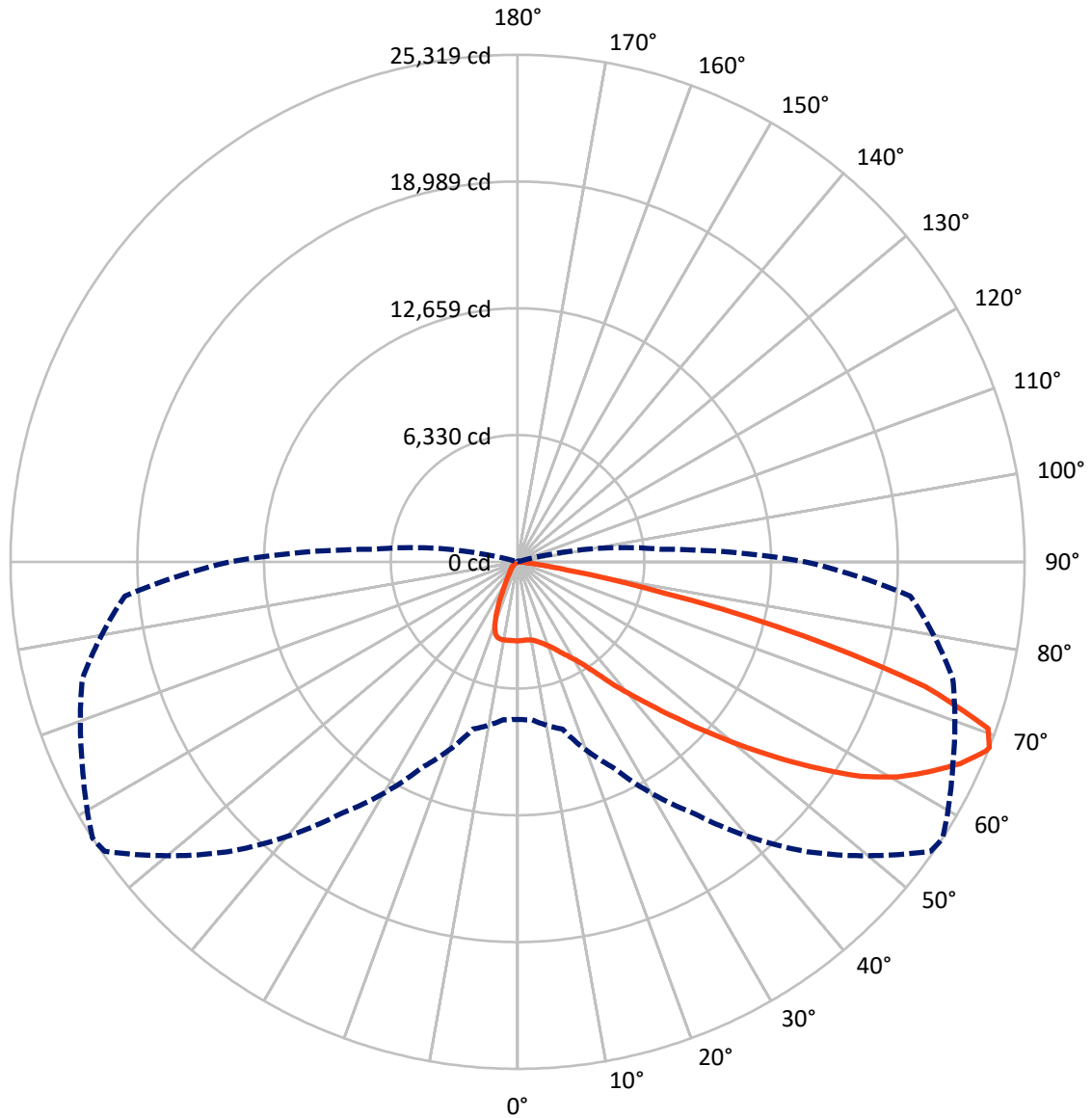
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type III - Short - N/A

REPORT NUMBER: P322211
CATALOG NUMBER: GAN-SA7C-730-U-T3-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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 CATALOG NUMBER: GAN-SA7C-730-U-T3-HSS

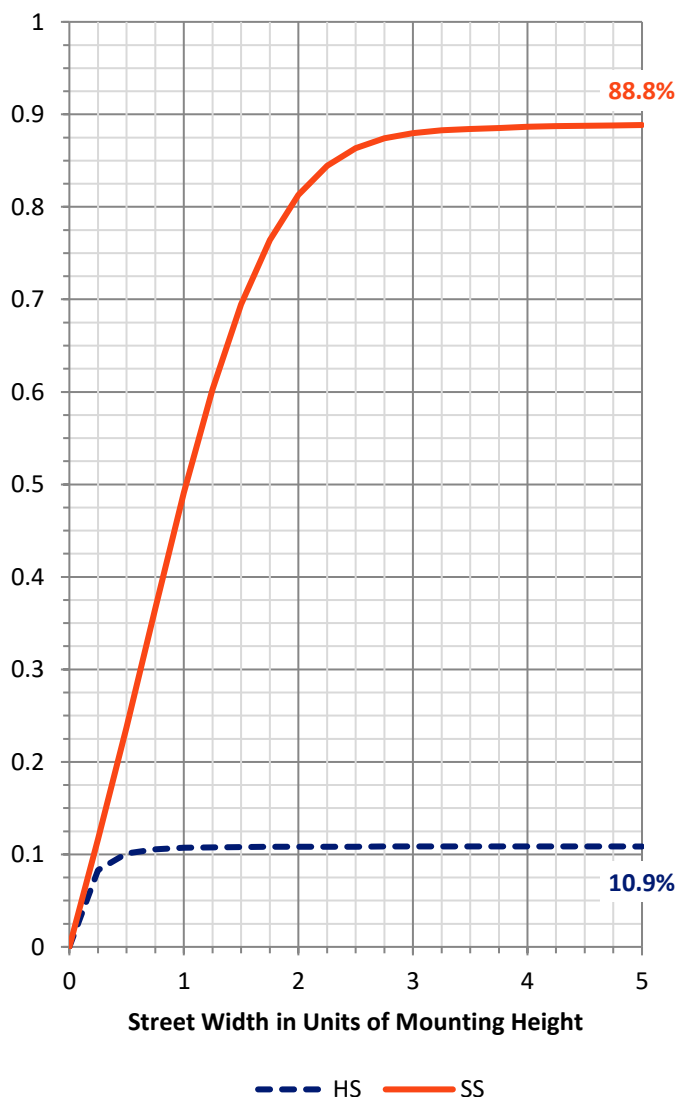
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3640.8	0.0	3640.8
	% Fixture	11.0	0.0	11.0
Street Side	Lumens	29561.2	0.0	29561.2
	% Fixture	89.0	0.0	89.0
Total	Lumens	33202.0	0.0	33202.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	369.2	1.1
10°-20°	1023.1	3.1
20°-30°	1765.0	5.3
30°-40°	3046.3	9.2
40°-50°	5210.8	15.7
50°-60°	8336.8	25.1
60°-70°	9632.2	29.0
70°-80°	3680.6	11.1
80°-90°	138.0	0.4
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°	33202.0	100.0
0°-180°	33202.0	100.0

Coefficient of Utilization

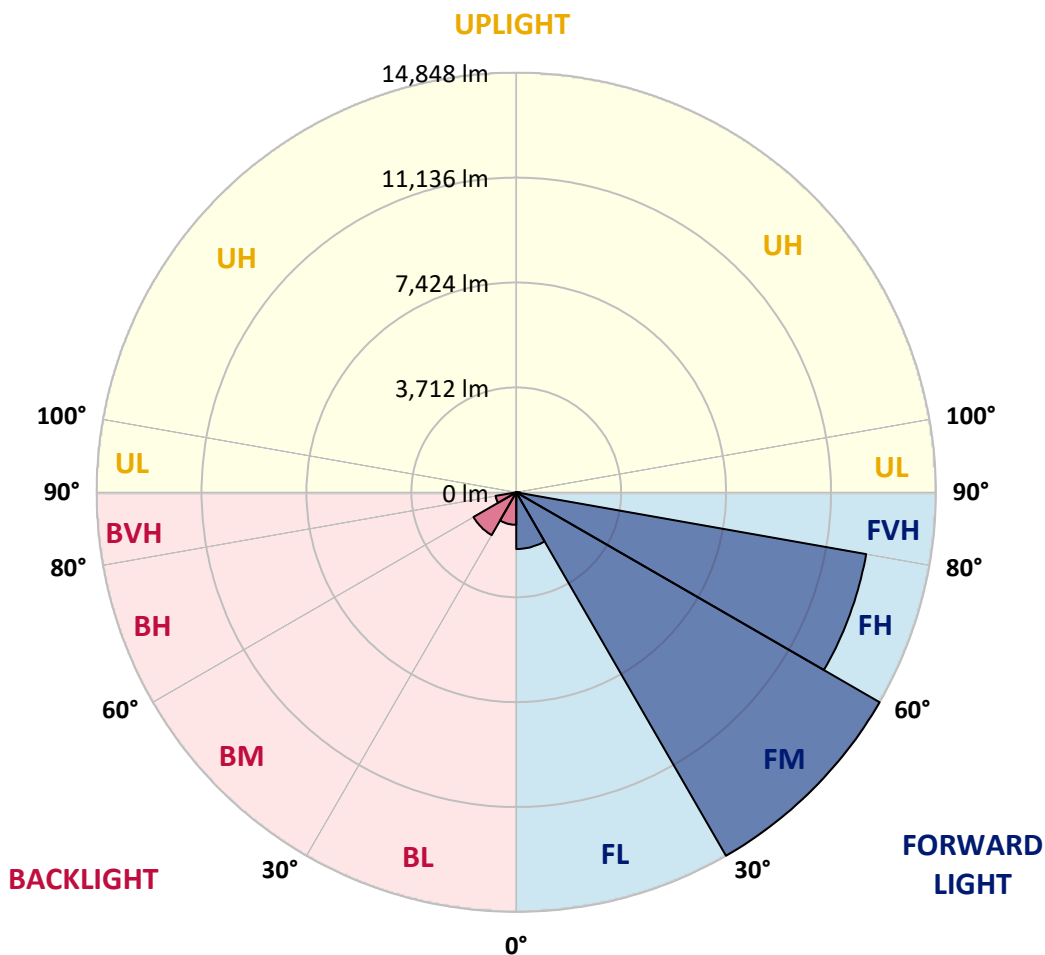


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 CATALOG NUMBER: GAN-SA7C-730-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2006.7	6.0			
FM (30°-60°)	14847.7	44.7			
FH (60°-80°)	12571.3	37.9			G5
FVH (80°-90°)	135.5	0.4			G2/225
BL (0°-30°)	1150.6	3.5	B3/2500		
BM (30°-60°)	1746.2	5.3	B2/2500		
BH (60°-80°)	741.5	2.2	B2/1000		G2/1000
BVH (80°-90°)	2.5	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Short





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 CATALOG NUMBER: GAN-SA7C-730-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3
2.5°	3852.6	3869.9	3882.5	3890.3	3899.7	3920.2	3926.4	3935.9	3940.6	3940.6	3951.6
5°	3700.4	3719.2	3745.9	3767.9	3811.8	3868.3	3909.2	3924.9	3953.1	3978.2	3992.4
7.5°	3559.1	3581.0	3612.4	3664.3	3739.6	3830.7	3915.4	3937.4	3992.4	4045.7	4072.4
10°	3468.0	3485.3	3526.1	3599.9	3698.8	3826.0	3945.3	3972.0	4066.2	4155.6	4205.9
12.5°	3436.6	3452.3	3494.7	3577.9	3700.4	3849.5	4014.4	4053.6	4191.8	4322.1	4392.7
15°	3482.1	3485.3	3530.8	3609.3	3730.2	3907.6	4129.0	4176.1	4350.3	4519.9	4607.8
17.5°	3658.0	3643.8	3667.4	3701.9	3797.7	3984.5	4249.8	4320.5	4552.8	4752.2	4835.4
20°	4097.6	4097.6	4044.2	3950.0	3951.6	4103.8	4413.1	4493.2	4777.3	5008.1	5083.5
22.5°	4849.6	4835.4	4728.7	4497.9	4286.0	4309.5	4612.5	4716.1	5047.4	5293.9	5319.0
25°	5753.9	5736.6	5571.7	5246.8	4879.4	4642.3	4882.5	5001.8	5369.2	5587.4	5535.6
27.5°	6711.5	6697.4	6534.1	6130.6	5607.8	5173.0	5204.4	5317.4	5697.3	5912.4	5747.6
30°	7639.4	7644.1	7482.4	7067.9	6476.0	5849.6	5612.6	5678.5	6016.0	6234.3	5998.8
32.5°	8521.7	8527.9	8388.2	7925.1	7372.5	6636.2	6177.7	6160.5	6386.5	6601.6	6331.6
35°	9308.2	9323.9	9228.1	8868.6	8283.0	7512.2	6910.9	6870.1	6912.5	7155.8	6841.8
37.5°	10066.5	10075.9	10003.7	9700.7	9210.9	8474.6	7837.2	7779.1	7688.0	7874.8	7515.3
40°	10897.0	10873.4	10790.2	10515.5	10094.7	9537.4	8832.5	8732.0	8573.5	8739.9	8400.8
42.5°	11669.4	11642.7	11656.8	11346.0	10991.2	10630.1	9992.7	9820.0	9727.4	9918.9	9487.2
45°	12634.9	12620.8	12667.9	12397.9	12110.6	11848.4	11322.4	11134.1	11093.2	11317.7	10801.2
47.5°	13587.9	13622.4	13768.4	13653.8	13537.6	13306.9	12730.7	12645.9	12671.0	12942.6	12187.5
50°	14382.3	14423.1	14823.4	14955.3	15123.3	14988.3	14410.5	14358.7	14457.6	14702.5	13678.9
52.5°	14956.9	15040.1	15537.8	16145.3	16757.6	16848.7	16272.5	16225.4	16358.8	16396.5	14831.3
55°	15355.6	15429.4	15993.0	17104.6	18351.1	18743.6	18385.6	18203.5	18178.4	17806.3	16043.3
57.5°	15426.3	15418.4	16228.5	17724.7	19600.8	20613.4	20387.3	20208.3	19693.4	19109.4	17432.7
60°	15027.5	15073.0	16013.4	17939.8	20385.7	22027.9	22045.2	21812.8	21010.6	20376.3	18779.7
62.5°	13799.8	13985.1	14934.9	17376.2	20376.3	22597.8	23260.3	23082.9	22123.7	21414.1	20145.5
65°	11809.1	11875.1	12780.9	15445.1	18999.5	22359.2	24354.6	24288.6	23126.9	22422.0	20847.3
67.5°	8623.7	8480.8	9432.2	12162.4	16085.7	20968.2	25139.5	25222.7	23900.8	22629.2	20100.0
68°	7870.1	7912.5	8653.5	11350.7	15322.7	20476.8	25191.3	25318.5	23977.8	22494.2	19691.8
70°	4691.0	4772.6	5433.6	7815.2	11656.8	17696.4	24632.4	24922.9	23519.4	21101.6	17032.3
72.5°	1197.9	1295.2	1920.0	3497.8	6658.1	12468.5	20793.9	21285.3	20420.3	17118.7	11498.3
75°	493.0	518.1	686.1	1152.3	2480.5	5617.3	13705.6	14757.5	14156.2	10248.6	5196.5
77.5°	340.7	357.9	441.2	639.0	1073.8	1904.3	6719.4	7479.2	6738.2	3497.8	1133.5
80°	244.9	259.0	315.6	425.5	617.0	679.8	2190.1	2532.3	2011.1	767.7	281.0
82.5°	146.0	157.0	235.5	303.0	375.2	325.0	544.8	618.6	582.4	381.5	125.6
85°	72.2	84.8	158.6	216.7	202.5	136.6	166.4	185.3	229.2	232.4	67.5
87.5°	4.7	9.4	92.6	130.3	56.5	31.4	48.7	59.7	81.6	114.6	28.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3	3945.3
2.5°	3956.3	3957.8	3946.8	3942.1	3945.3	3926.4	3918.6	3921.7	3921.7	3926.4	3918.6
5°	3995.5	3995.5	3976.7	3951.6	3937.4	3901.3	3877.8	3871.5	3866.8	3863.6	3857.4
7.5°	4080.3	4070.9	4037.9	3983.0	3935.9	3857.4	3797.7	3766.3	3750.6	3744.3	3739.6
10°	4216.9	4199.6	4144.7	4042.6	3934.3	3794.6	3664.3	3571.6	3494.7	3463.3	3444.5
12.5°	4400.6	4375.4	4282.8	4113.3	3923.3	3665.8	3383.2	3111.6	2858.9	2755.3	2703.4
15°	4612.5	4576.4	4430.4	4172.9	3858.9	3375.4	2761.5	2285.8	1935.7	1803.9	1747.3
17.5°	4827.6	4780.5	4559.1	4210.6	3665.8	2774.1	1937.3	1463.2	1229.3	1166.5	1144.5
20°	5044.2	4975.2	4670.6	4182.3	3229.4	2000.1	1277.9	1069.1	1001.6	982.8	976.5
22.5°	5249.9	5143.1	4771.1	4072.4	2557.4	1342.3	1011.0	945.1	923.1	912.1	909.0
25°	5428.9	5279.7	4859.0	3733.3	1810.1	1014.2	910.6	888.6	860.3	839.9	841.5
27.5°	5596.9	5416.3	4912.4	3174.4	1207.3	866.6	843.1	813.2	761.4	731.6	731.6
30°	5799.4	5598.4	4951.6	2442.8	888.6	766.1	747.3	701.8	631.1	591.9	591.9
32.5°	6103.9	5874.7	4926.5	1714.4	736.3	673.5	629.5	566.8	489.8	452.1	450.6
35°	6570.2	6301.8	4747.5	1124.1	650.0	585.6	514.9	438.0	370.5	339.1	337.5
37.5°	7198.2	6873.2	4345.6	803.8	582.4	504.0	419.2	334.4	284.2	263.8	262.2
40°	8013.0	7537.3	3771.0	651.5	519.7	425.5	323.4	259.0	224.5	208.8	210.4
42.5°	8991.1	8248.5	3081.8	562.0	458.4	350.1	252.8	204.1	182.1	171.1	168.0
45°	10077.5	8950.3	2359.6	500.8	397.2	282.6	197.8	161.7	144.4	138.2	138.2
47.5°	11272.2	9633.2	1726.9	447.4	331.3	218.2	158.6	131.9	117.7	113.0	111.5
50°	12357.0	10107.3	1245.0	390.9	271.6	172.7	128.7	109.9	100.5	94.2	94.2
52.5°	13261.3	10256.5	916.8	329.7	219.8	138.2	106.8	94.2	84.8	80.1	80.1
55°	14057.3	10195.2	681.4	271.6	177.4	113.0	91.1	80.1	72.2	67.5	67.5
57.5°	14820.3	9997.4	508.7	221.4	142.9	91.1	76.9	67.5	59.7	56.5	56.5
60°	15443.6	9667.7	378.4	179.0	114.6	73.8	64.4	54.9	48.7	44.0	44.0
62.5°	15949.1	9303.5	277.9	147.6	91.1	58.1	50.2	45.5	36.1	31.4	31.4
65°	15952.2	8699.1	208.8	122.5	70.6	45.5	37.7	36.1	23.5	18.8	17.3
67.5°	14798.3	7499.6	160.1	105.2	54.9	34.5	28.3	29.8	12.6	7.8	6.3
68°	14379.1	7195.1	150.7	103.6	51.8	33.0	26.7	29.8	11.0	6.3	4.7
70°	12123.1	5724.0	120.9	100.5	45.5	25.1	22.0	29.8	9.4	4.7	3.1
72.5°	7754.0	3322.0	89.5	80.1	34.5	18.8	14.1	26.7	9.4	3.1	1.6
75°	3300.0	1029.9	61.2	56.5	20.4	14.1	9.4	17.3	6.3	1.6	0.0
77.5°	695.5	232.4	36.1	34.5	14.1	9.4	6.3	4.7	1.6	0.0	0.0
80°	179.0	67.5	18.8	17.3	7.8	4.7	3.1	0.0	0.0	0.0	0.0
82.5°	56.5	26.7	11.0	7.8	3.1	0.0	0.0	0.0	0.0	0.0	0.0
85°	28.3	15.7	6.3	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	15.7	4.7	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)