

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: P532158

Luminaire Tested: **GLAN-SA7C-730-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7C-730-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37799 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G3

Input Watts (W): 377
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

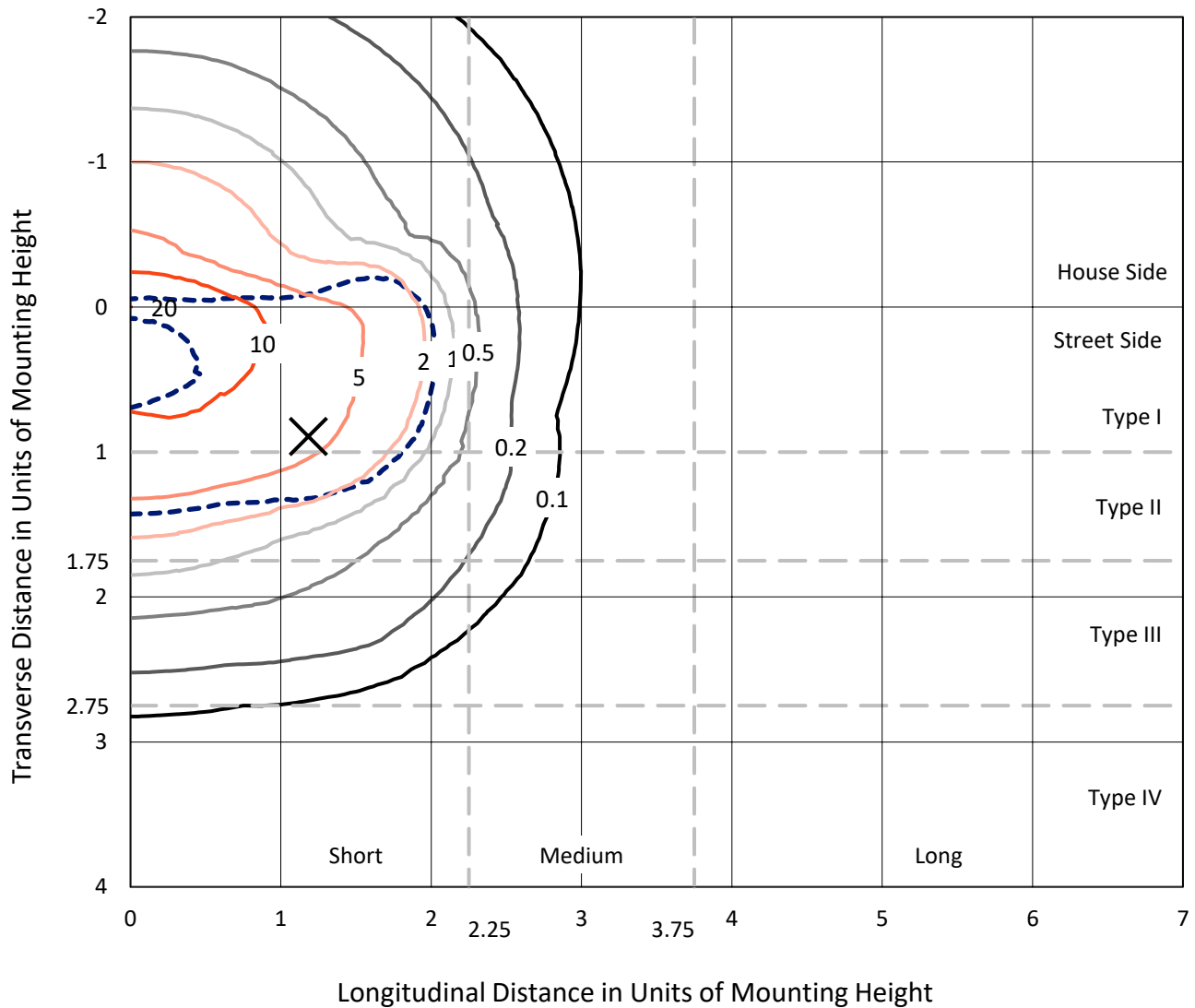


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

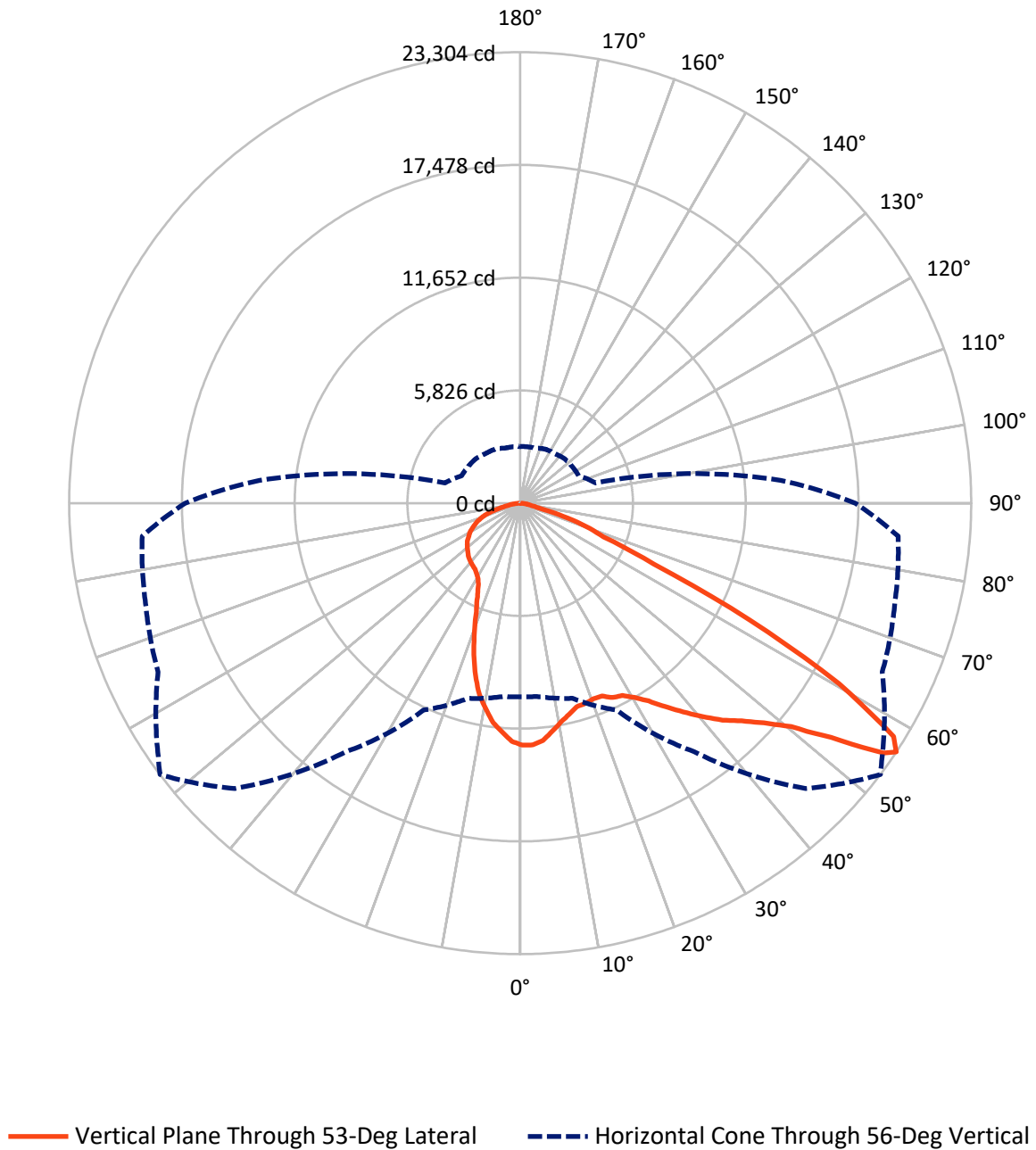


Based on 25 foot mounting height. Maximum calculated value = 20 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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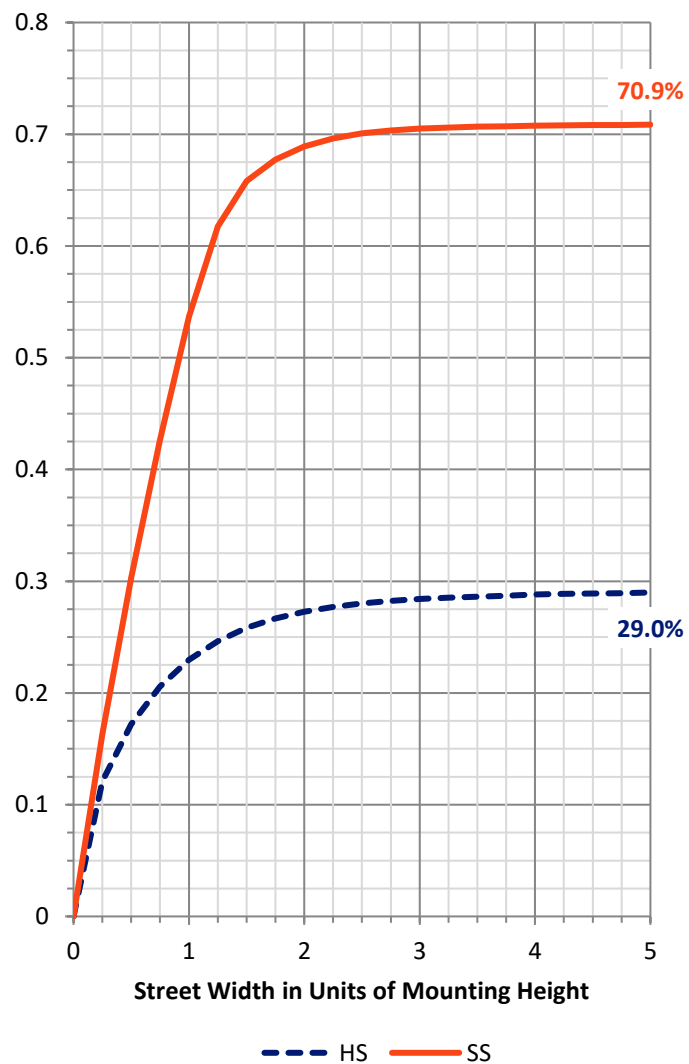
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11030.6	0.0	11030.6
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	26768.4	0.0	26768.4
	% Fixture	70.8	0.0	70.8
Total	Lumens	37799.0	0.0	37799.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1107.1	2.9
10°-20°	2765.0	7.3
20°-30°	4077.3	10.8
30°-40°	5825.6	15.4
40°-50°	8018.2	21.2
50°-60°	9475.3	25.1
60°-70°	5049.7	13.4
70°-80°	1281.1	3.4
80°-90°	199.8	0.5
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°	37799.0	100.0
0°-180°	37799.0	100.0

Coefficient of Utilization



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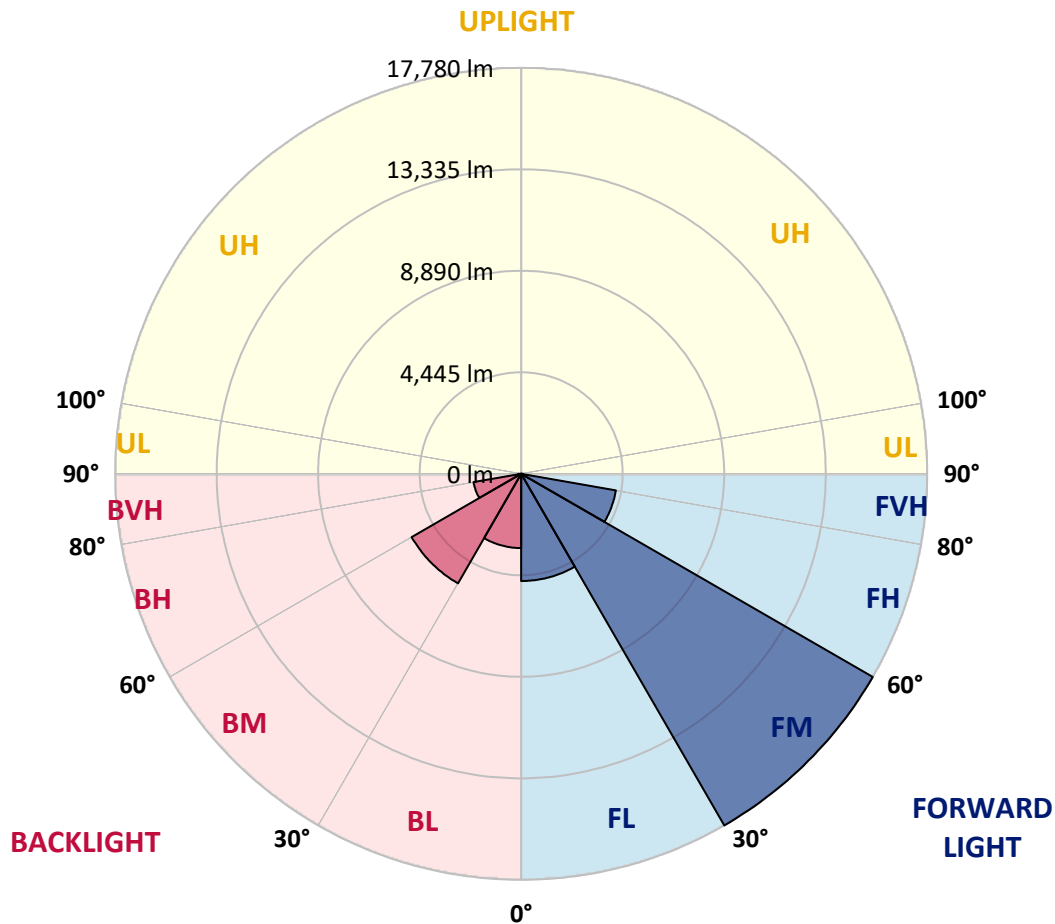
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4696.0	12.4			
FM	(30°-60°)	17779.9	47.0			
FH	(60°-80°)	4212.2	11.1			G2/5000
FVH	(80°-90°)	80.3	0.2			G1/100
BL	(0°-30°)	3253.4	8.6	B4/5000		
BM	(30°-60°)	5539.2	14.7	B4/8500		
BH	(60°-80°)	2118.6	5.6	B3/2500		G3/2500
BVH	(80°-90°)	119.5	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4
2.5°	12350.2	12243.6	12306.6	12282.3	12481.2	12539.3	12510.2	12534.5	12646.0	12592.7	12481.2
5°	11540.5	11690.8	11719.9	11792.6	11909.0	12136.9	12316.3	12364.8	12418.1	12665.4	12641.2
7.5°	10803.4	10905.3	10851.9	11065.3	11317.4	11685.9	11904.1	11942.9	12432.7	12568.4	12670.3
10°	10337.9	10236.1	10478.5	10536.7	10822.8	11244.7	11506.5	11666.5	12112.6	12650.9	12713.9
12.5°	9906.4	9872.4	10017.9	10182.8	10502.8	10939.2	11205.9	11268.9	11957.5	12524.8	12820.6
15°	9586.3	9547.5	9693.0	9814.2	10187.6	10575.5	10914.9	11094.4	11787.8	12452.1	12728.4
17.5°	9334.2	9329.3	9411.8	9630.0	10013.0	10337.9	10885.9	10895.6	11700.5	12563.6	12806.0
20°	9319.6	9314.8	9329.3	9571.8	9920.9	10318.5	10793.7	10881.0	11700.5	12486.0	12810.9
22.5°	9440.9	9363.3	9450.6	9605.7	9857.9	10352.5	10827.7	11021.6	11981.7	12869.1	13029.1
25°	9634.8	9654.2	9702.7	9756.1	9901.5	10430.1	11128.3	11288.3	12311.4	13198.8	13329.7
27.5°	9988.8	9979.1	9998.5	10027.6	10153.7	10502.8	11249.5	11661.7	13000.0	13785.5	13654.6
30°	10507.6	10473.7	10551.3	10653.1	10536.7	10735.5	11652.0	11962.3	13640.0	14377.1	14018.3
32.5°	10978.0	11104.1	11249.5	11293.2	11152.5	11191.3	12185.4	12500.5	14173.4	15104.4	14464.4
35°	11564.7	11666.5	11860.5	11996.3	11972.0	11855.6	12912.7	13329.7	14944.4	15637.8	14934.7
37.5°	12136.9	12258.1	12578.1	12980.6	12757.5	12704.2	13688.5	14032.8	15182.0	15923.9	15279.0
40°	13058.2	13053.3	13606.1	13814.6	14013.4	13921.3	14493.5	14609.8	15308.1	15860.9	15288.7
42.5°	14139.5	14071.6	14634.1	14959.0	15216.0	15225.7	15332.3	15293.5	15366.3	15540.8	15186.9
45°	15167.5	15312.9	15880.3	16462.1	16719.1	16748.2	16040.3	15967.5	15468.1	15448.7	14992.9
47.5°	16423.3	16457.3	16922.8	17688.9	18285.3	18081.7	16956.7	16796.7	15914.2	16064.5	15317.8
50°	16496.1	16748.2	17165.2	18067.1	19900.0	19846.7	18144.7	17844.1	16631.8	16937.3	16224.5
52.5°	14973.5	14915.3	15409.9	16884.0	19778.8	21602.0	20113.4	19395.7	18173.8	17941.1	17693.8
55°	11409.5	11545.3	11981.7	13470.3	17174.9	21626.2	22794.8	22208.1	19822.4	19424.8	19138.7
56°	10008.2	10027.6	10439.8	11797.5	15671.8	20855.3	23304.0	22828.8	20641.9	20035.8	19599.4
57.5°	8296.5	8185.0	8398.4	9140.2	13227.9	19226.0	22746.3	23211.8	21602.0	20695.2	20089.1
60°	6531.5	6507.3	6420.0	6555.8	8359.6	14483.8	18935.1	19982.5	21505.0	20074.6	19240.6
62.5°	5333.8	5212.6	5387.2	5581.1	5809.0	8985.1	13305.5	13921.3	17073.1	16025.7	14454.7
65°	4136.1	4078.0	4296.2	4926.5	5062.3	5707.2	7578.9	8054.1	10080.9	9901.5	8718.4
67.5°	2846.3	2856.0	3045.1	4005.2	4693.8	4635.6	4640.4	4887.7	5261.1	3908.2	3404.0
70°	1803.8	1799.0	1900.8	2579.6	3777.3	3816.1	3622.2	3549.4	3365.2	2036.6	2157.8
72.5°	1158.9	1125.0	1178.3	1425.6	1954.1	2259.6	2327.5	2371.1	1949.3	1600.1	1735.9
75°	654.6	620.7	601.3	664.3	771.0	892.2	979.5	1008.6	1129.8	1212.2	1285.0
77.5°	198.8	179.4	218.2	290.9	383.1	514.0	625.5	644.9	761.3	858.3	931.0
80°	87.3	97.0	135.8	194.0	271.5	363.7	441.3	470.3	547.9	620.7	640.1
82.5°	53.3	58.2	92.1	130.9	189.1	257.0	315.2	324.9	402.5	460.6	475.2
85°	19.4	24.2	48.5	77.6	121.2	164.9	164.9	179.4	164.9	164.9	179.4
87.5°	0.0	0.0	4.8	9.7	9.7	14.5	19.4	19.4	24.2	29.1	33.9
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°	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4	12505.4
2.5°	12539.3	12515.1	12476.3	12335.7	12321.1	12277.5	12035.1	11996.3	12035.1	11918.7	11928.4
5°	12515.1	12587.8	12296.9	12156.3	11894.4	11705.3	11487.1	11375.6	11176.8	11050.7	11191.3
7.5°	12621.8	12592.7	12229.0	11923.5	11530.8	11050.7	10667.7	10449.5	10100.3	10003.3	10076.1
10°	12583.0	12427.8	12001.1	11598.6	10856.8	10434.9	9814.2	9213.0	8883.2	8713.5	8689.3
12.5°	12529.6	12486.0	11773.2	11079.8	10299.1	9411.8	8539.0	7971.6	7433.4	7200.7	7234.6
15°	12592.7	12224.2	11346.5	10468.8	9431.2	8267.4	7326.7	6594.5	6221.2	6070.9	6070.9
17.5°	12563.6	12098.1	11142.8	9785.1	8471.1	7094.0	6061.2	5619.9	5464.7	5464.7	5508.4
20°	12578.1	12180.5	10730.7	9101.4	7336.4	5973.9	5222.3	5062.3	5130.2	5154.4	5178.7
22.5°	12660.6	11909.0	10328.2	8349.9	6284.2	5110.8	4742.3	4747.1	4868.3	4999.3	4975.0
25°	12762.4	11802.3	9838.5	7603.1	5479.3	4688.9	4572.5	4558.0	4650.1	4718.0	4727.7
27.5°	12675.1	11618.0	9339.0	6672.1	4819.8	4407.7	4383.4	4393.1	4422.2	4558.0	4514.4
30°	12961.2	11671.4	8713.5	5891.5	4456.2	4315.6	4286.5	4271.9	4315.6	4354.3	4320.4
32.5°	13315.2	11482.3	8248.0	5139.9	4276.8	4247.7	4189.5	4170.1	4194.3	4155.5	4174.9
35°	13470.3	11448.3	7641.9	4601.6	4136.1	4111.9	4078.0	4073.1	4078.0	4044.0	4014.9
37.5°	13557.6	11608.3	6948.5	4354.3	4048.9	4073.1	3995.5	3985.8	3898.5	3917.9	3932.5
40°	13707.9	11361.1	6386.0	4116.7	3995.5	3947.0	3879.1	3864.6	3806.4	3772.5	3806.4
42.5°	13489.7	11288.3	5833.3	4014.9	3917.9	3864.6	3816.1	3733.7	3714.3	3685.2	3665.8
45°	13315.2	10871.3	5338.7	3888.8	3825.8	3796.7	3704.6	3617.3	3544.6	3573.7	3530.0
47.5°	13446.1	10725.8	4848.9	3782.2	3699.7	3665.8	3573.7	3505.8	3433.0	3399.1	3389.4
50°	13969.8	10997.4	4436.8	3704.6	3593.1	3573.7	3452.4	3374.9	3307.0	3282.7	3292.4
52.5°	15220.8	11739.3	4155.5	3544.6	3491.2	3404.0	3336.1	3239.1	3195.4	3117.9	3166.4
55°	16806.4	12946.7	4082.8	3394.3	3365.2	3287.6	3195.4	3122.7	3040.3	2977.2	2962.7
56°	17315.5	13523.7	4024.6	3336.1	3287.6	3243.9	3122.7	3079.1	2948.2	2933.6	2923.9
57.5°	17727.7	14032.8	4034.3	3224.5	3176.1	3137.3	3064.5	2957.8	2870.6	2817.2	2841.5
60°	16796.7	13135.8	3850.1	3054.8	3045.1	2972.4	2870.6	2822.1	2715.4	2652.4	2637.8
62.5°	12486.0	8917.2	3122.7	2836.6	2831.8	2754.2	2637.8	2584.5	2565.1	2477.8	2477.8
65°	7191.0	5590.8	2700.9	2657.2	2618.4	2540.8	2424.5	2380.8	2332.3	2303.2	2279.0
67.5°	3069.4	2899.7	2453.6	2448.7	2405.1	2308.1	2191.7	2123.8	2060.8	2002.6	2031.7
70°	2225.7	2259.6	2216.0	2191.7	2138.4	2017.2	1915.3	1832.9	1735.9	1697.1	1726.2
72.5°	1765.0	1837.7	1900.8	1905.6	1842.6	1702.0	1590.5	1478.9	1372.2	1318.9	1343.2
75°	1338.3	1386.8	1449.8	1464.4	1372.2	1275.3	1168.6	1052.2	969.8	906.8	916.4
77.5°	964.9	955.2	1013.4	1003.7	960.1	892.2	795.2	688.5	596.4	538.2	543.1
80°	659.5	674.0	707.9	703.1	649.8	606.1	533.4	446.1	378.2	329.7	320.0
82.5°	460.6	484.9	514.0	489.7	446.1	402.5	349.1	286.1	232.7	194.0	184.3
85°	164.9	189.1	218.2	232.7	247.3	237.6	198.8	160.0	116.4	97.0	92.1
87.5°	33.9	38.8	43.6	43.6	43.6	38.8	33.9	33.9	29.1	14.5	14.5
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)