

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: P320048

Luminaire Tested: **GAN-SA4C-750-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320048  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA4C-750-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(4) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 27111 lumens  
Efficiency: N/A  
Efficacy: 120.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

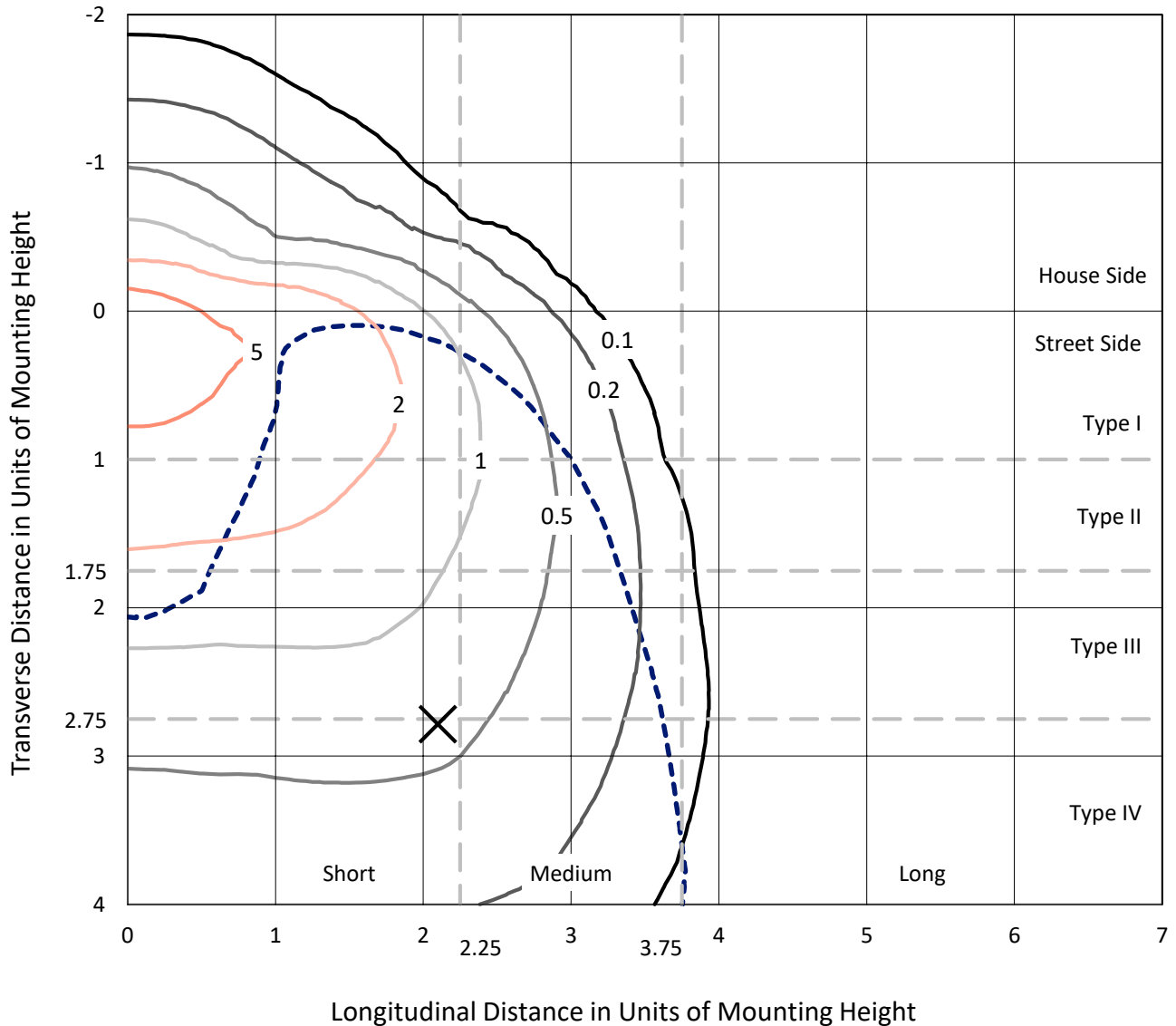
Input Watts (W): 225  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

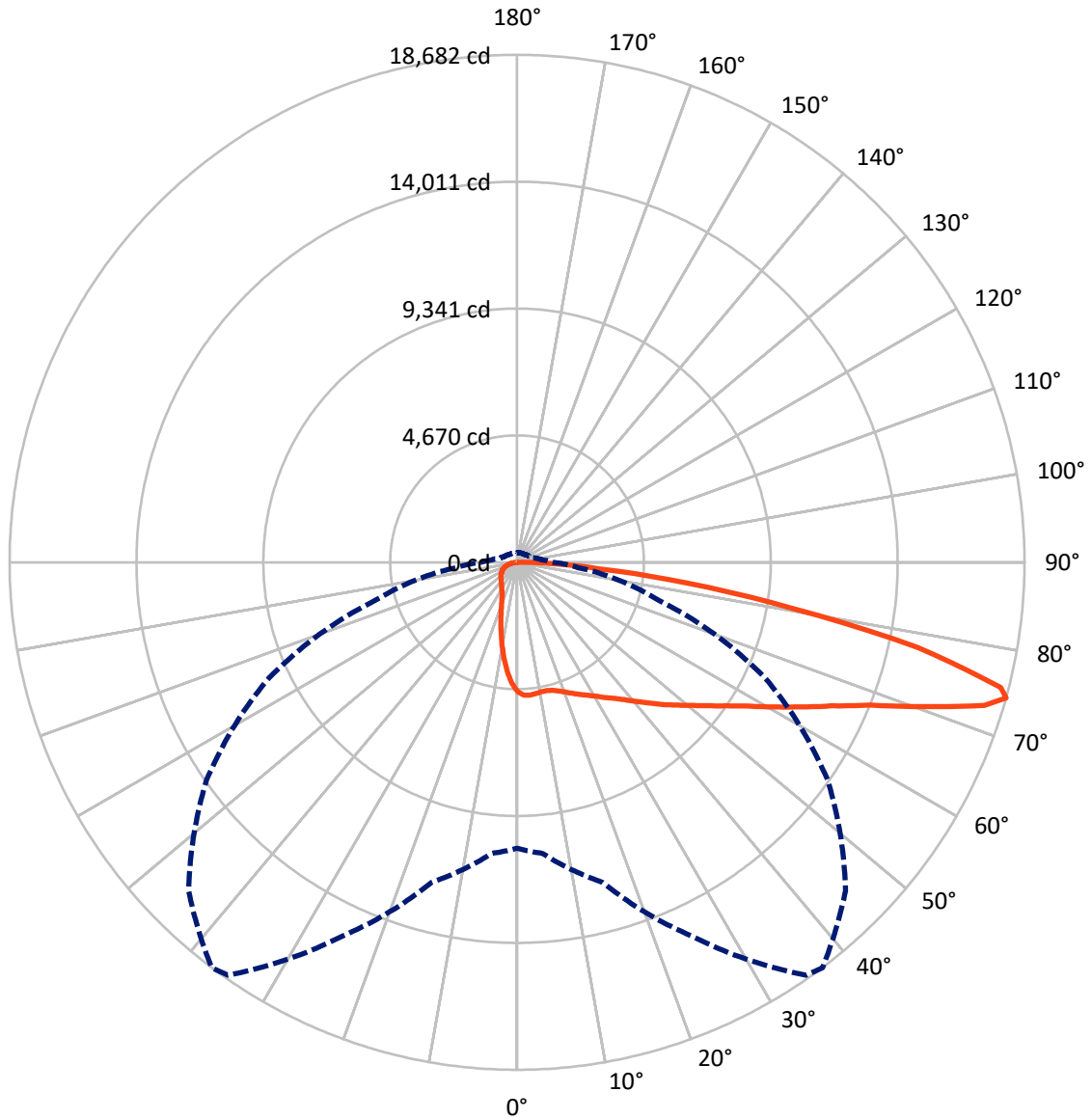
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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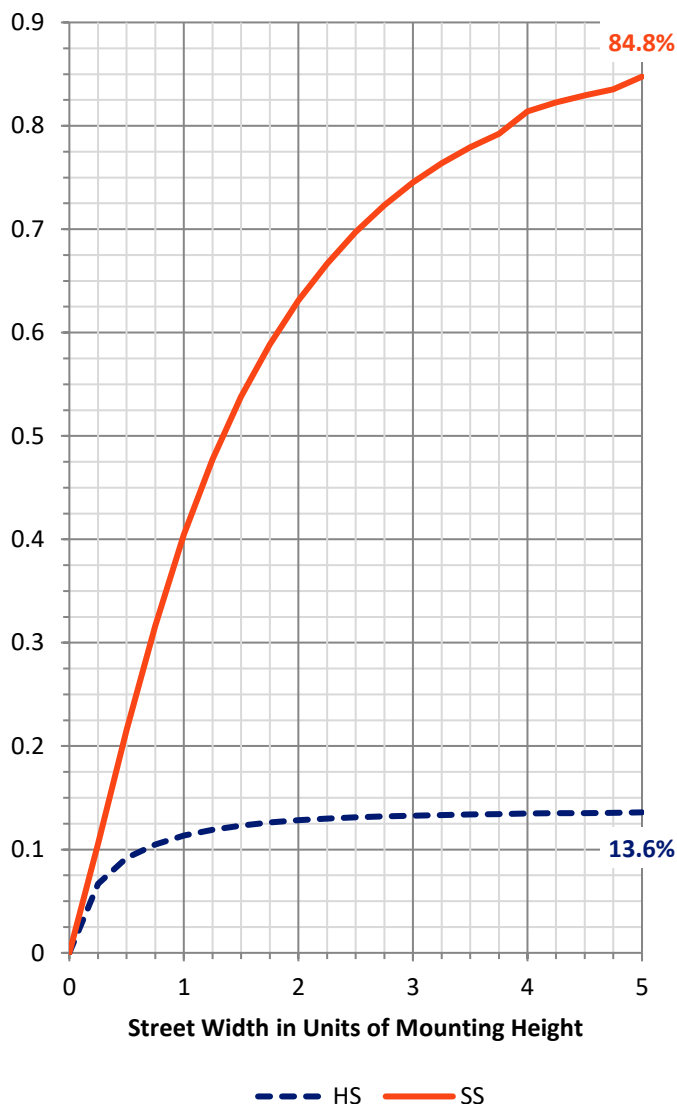
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3730.3	0.0	3730.3
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	23380.7	0.0	23380.7
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	27111.0	0.0	27111.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	420.7	1.6
10°-20°	1078.3	4.0
20°-30°	1661.4	6.1
30°-40°	2415.9	8.9
40°-50°	3555.8	13.1
50°-60°	4993.4	18.4
60°-70°	6320.2	23.3
70°-80°	5565.1	20.5
80°-90°	1100.3	4.1
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°	27111.0	100.0
0°-180°	27111.0	100.0

**Coefficient of Utilization**



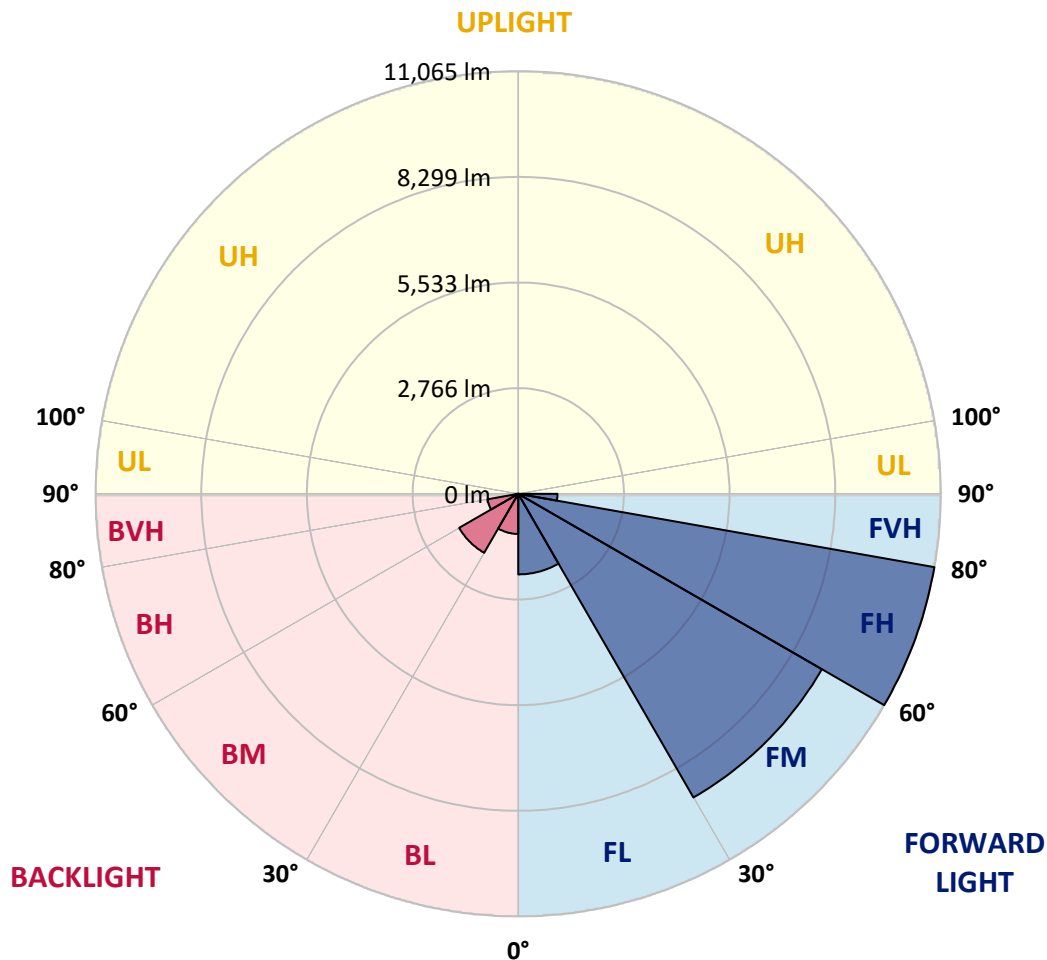
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2109.6	7.8			
FM (30°-60°)	9180.0	33.9			
FH (60°-80°)	11065.3	40.8			G4/12000
FVH (80°-90°)	1025.8	3.8			G5
BL (0°-30°)	1050.7	3.9	B3/2500		
BM (30°-60°)	1785.1	6.6	B2/2500		
BH (60°-80°)	820.0	3.0	B2/1000		G2/1000
BVH (80°-90°)	74.5	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9
2.5°	4940.2	4941.1	4940.2	4932.5	4914.4	4899.1	4886.7	4868.5	4828.4	4797.9	4752.0
5°	4987.0	4981.2	4977.4	4963.1	4934.4	4917.2	4893.4	4859.0	4793.1	4732.0	4657.5
7.5°	4965.0	4958.3	4949.7	4932.5	4900.0	4885.7	4852.3	4807.4	4728.1	4647.9	4541.0
10°	4897.2	4895.3	4891.5	4887.6	4859.9	4848.5	4817.9	4770.2	4691.9	4594.5	4469.3
12.5°	4821.7	4826.5	4841.8	4861.8	4849.4	4843.7	4824.6	4792.1	4711.9	4606.9	4456.0
15°	4774.0	4787.4	4828.4	4880.9	4891.5	4889.5	4884.8	4863.8	4778.8	4662.3	4486.5
17.5°	4757.8	4779.7	4858.0	4944.9	4975.5	4982.2	4984.1	4947.8	4853.3	4730.1	4518.1
20°	4787.4	4815.1	4929.7	5049.0	5097.7	5101.5	5093.0	5029.9	4923.9	4788.3	4535.2
22.5°	4877.1	4902.0	5045.2	5179.9	5235.2	5241.0	5215.2	5119.7	4998.4	4857.1	4559.1
25°	5050.0	5080.5	5223.8	5358.4	5387.1	5388.0	5350.8	5232.4	5095.8	4953.5	4610.7
27.5°	5275.4	5305.9	5434.8	5566.6	5551.3	5542.8	5492.1	5373.7	5222.8	5086.3	4702.4
30°	5526.5	5559.9	5682.2	5775.8	5739.5	5722.3	5681.2	5528.4	5399.5	5267.7	4842.7
32.5°	5786.3	5816.8	5923.8	5987.8	5941.9	5934.3	5872.2	5732.8	5629.7	5544.7	5070.0
35°	6052.7	6074.7	6179.7	6216.0	6154.9	6153.0	6135.8	6007.8	5942.9	5983.0	5400.5
37.5°	6324.9	6330.6	6420.4	6422.3	6404.2	6411.8	6429.9	6349.7	6367.9	6493.0	5830.2
40°	6567.5	6582.7	6647.7	6667.7	6699.2	6726.0	6816.7	6764.2	6904.6	7126.1	6365.0
42.5°	6747.0	6776.6	6880.7	6932.3	7034.4	7076.5	7204.4	7253.1	7535.8	7868.2	7001.0
45°	6898.8	6944.7	7111.8	7217.8	7390.7	7464.2	7647.5	7810.9	8249.2	8673.2	7670.5
47.5°	7063.1	7121.4	7330.5	7533.0	7767.9	7851.0	8184.3	8428.7	9010.3	9483.0	8301.7
50°	7304.7	7349.6	7554.0	7872.0	8165.2	8272.1	8733.4	9083.9	9783.9	10254.7	8848.9
52.5°	7641.8	7624.6	7797.5	8243.5	8636.9	8768.7	9319.7	9781.0	10567.9	10952.8	9311.1
55°	7980.8	7952.2	8073.5	8632.1	9187.0	9325.5	9965.3	10481.0	11313.8	11581.1	9665.4
57.5°	8358.1	8303.6	8405.8	9070.5	9813.5	9978.7	10688.2	11224.9	12047.2	12089.2	9890.8
60°	8746.7	8673.2	8787.8	9613.9	10609.0	10803.8	11534.4	11950.7	12738.6	12496.0	9963.4
62.5°	9086.7	9035.1	9211.8	10220.3	11505.7	11719.6	12365.2	12722.4	13420.5	12665.1	9701.7
65°	9383.7	9392.3	9697.9	10902.2	12505.6	12733.8	13318.3	13673.5	13957.2	12564.8	9089.6
67.5°	9738.0	9786.7	10308.1	11799.8	13764.3	14014.5	14704.9	14710.6	14257.0	11976.5	7884.4
70°	10254.7	10354.9	11147.6	13045.1	15553.9	15897.7	16430.6	15319.9	13835.9	10381.7	6203.6
72.5°	10713.1	10900.2	12040.5	14470.0	17735.1	17995.8	17440.0	14968.5	12075.8	7780.3	3864.8
74°	10526.8	10758.9	12202.8	15171.9	18556.4	18681.5	17099.1	13942.8	10068.4	5388.0	2246.1
75°	10125.7	10377.9	11966.0	15165.2	18452.3	18382.6	16275.9	12771.1	8292.2	3674.8	1494.6
77.5°	8171.8	8438.3	10082.8	12997.4	15129.9	15064.0	12502.7	8567.2	3631.8	1205.2	759.2
80°	4751.1	4954.5	6259.0	8254.0	10202.1	10321.5	8222.5	4239.2	1428.7	677.1	514.7
82.5°	2110.5	2250.9	3023.5	4213.4	6156.8	6310.6	4306.0	2221.3	882.4	411.6	309.4
85°	1384.7	1488.8	1835.5	2006.4	2931.8	3036.9	2107.7	1729.5	582.5	226.3	227.3
87.5°	996.1	1096.3	1363.7	1190.9	1345.6	1274.0	1146.9	1600.6	234.0	128.9	76.4
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°	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9	4776.9
2.5°	4732.0	4716.7	4682.3	4617.4	4581.1	4550.5	4499.9	4470.3	4456.9	4456.0	4461.7
5°	4614.5	4579.2	4490.4	4381.5	4294.6	4215.3	4117.0	4057.7	4015.7	3990.9	3997.6
7.5°	4477.9	4422.6	4283.1	4109.3	3969.9	3816.1	3664.3	3573.6	3502.9	3450.4	3459.9
10°	4384.4	4308.0	4104.5	3854.3	3622.3	3398.8	3189.7	3064.6	2965.2	2888.8	2894.6
12.5°	4352.8	4249.7	3968.0	3633.7	3308.1	3002.5	2729.4	2537.4	2435.2	2348.3	2355.0
15°	4357.6	4219.1	3853.4	3435.1	3025.4	2640.5	2309.2	2084.7	1946.3	1886.1	1887.1
17.5°	4361.4	4183.8	3733.1	3222.1	2745.6	2302.5	1942.4	1715.2	1584.3	1528.9	1529.9
20°	4349.0	4126.5	3584.1	2977.7	2453.4	1992.1	1643.5	1450.6	1351.3	1308.3	1308.3
22.5°	4332.8	4058.7	3416.0	2732.2	2165.0	1722.8	1429.6	1282.5	1225.3	1196.6	1195.6
25°	4340.4	4008.1	3244.1	2480.1	1899.5	1507.9	1287.3	1189.9	1151.7	1133.6	1132.6
27.5°	4381.5	3984.2	3085.6	2228.9	1667.4	1346.5	1191.8	1123.1	1098.2	1086.8	1086.8
30°	4456.0	3984.2	2920.4	2015.0	1474.5	1227.2	1118.3	1071.5	1054.3	1046.7	1046.7
32.5°	4585.9	4006.2	2760.9	1803.0	1320.7	1133.6	1057.2	1025.7	1012.3	1008.5	1008.5
35°	4809.3	4080.7	2605.2	1602.5	1196.6	1057.2	998.9	980.8	971.2	970.3	973.1
37.5°	5123.5	4232.5	2459.1	1454.4	1108.7	995.1	950.2	935.9	930.2	934.9	938.8
40°	5518.9	4438.8	2326.4	1320.7	1041.9	945.4	905.3	895.8	892.9	899.6	905.3
42.5°	5996.4	4717.6	2217.5	1224.3	990.3	903.4	867.1	855.7	852.8	860.4	868.1
45°	6513.0	5017.5	2141.1	1152.7	950.2	871.9	833.7	821.3	815.6	819.4	828.0
47.5°	6982.9	5301.1	2110.5	1102.1	912.0	845.2	804.1	788.8	779.3	777.4	784.0
50°	7379.2	5512.2	2124.8	1071.5	881.5	815.6	775.5	758.3	743.9	735.3	740.1
52.5°	7667.6	5644.9	2138.2	1058.1	857.6	783.1	743.9	727.7	708.6	694.3	694.3
55°	7876.7	5675.5	2108.6	1047.6	839.4	747.8	708.6	693.3	674.2	658.0	656.1
57.5°	7958.9	5589.5	1998.8	1032.3	827.0	714.3	671.4	659.9	643.7	624.6	623.6
60°	7848.1	5324.1	1786.8	999.9	810.8	686.6	634.1	626.5	618.8	600.7	599.7
62.5°	7403.1	4741.5	1512.7	934.0	778.3	657.0	599.7	603.6	604.5	592.1	590.2
65°	6596.1	3941.2	1245.3	848.0	729.6	621.7	564.4	582.5	593.0	591.1	588.3
67.5°	5423.4	3067.4	1055.3	757.3	665.6	573.0	526.2	547.2	555.8	562.5	560.6
70°	4025.3	2163.0	872.9	661.8	588.3	515.7	476.5	487.0	481.3	489.0	491.8
72.5°	2244.2	1297.8	711.5	566.3	508.1	448.8	421.1	419.2	406.8	406.8	406.8
74°	1346.5	952.1	625.5	507.1	459.3	404.9	381.0	372.4	361.0	361.9	361.0
75°	1083.0	818.4	573.9	467.9	425.0	379.1	355.3	343.8	335.2	335.2	334.2
77.5°	683.8	621.7	462.2	372.4	340.0	312.3	296.0	280.8	280.8	279.8	278.9
80°	516.6	494.7	360.0	281.7	260.7	239.7	229.2	222.5	222.5	225.4	224.4
82.5°	354.3	372.4	253.1	196.7	186.2	170.9	169.0	170.0	167.1	163.3	162.3
85°	258.8	279.8	170.9	124.1	113.6	104.1	111.7	115.6	110.8	102.2	98.4
87.5°	99.3	183.4	91.7	51.6	47.7	41.1	47.7	49.7	53.5	42.0	43.0
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)