

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: P319720

Luminaire Tested: **GAN-SA6B-750-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA6B-750-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 34181 lumens  
Efficiency: N/A  
Efficacy: 137.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

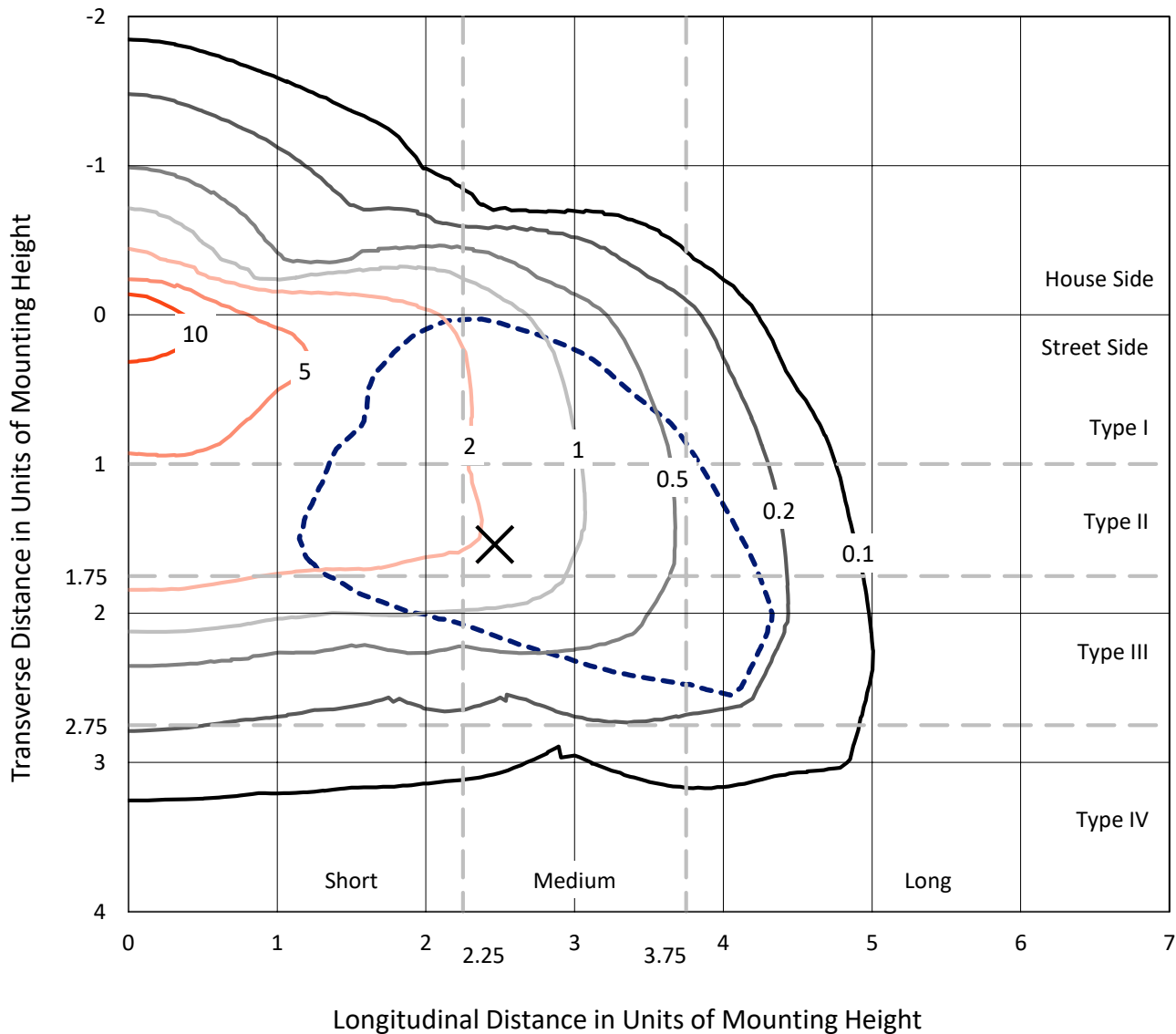
Input Watts (W): 249  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

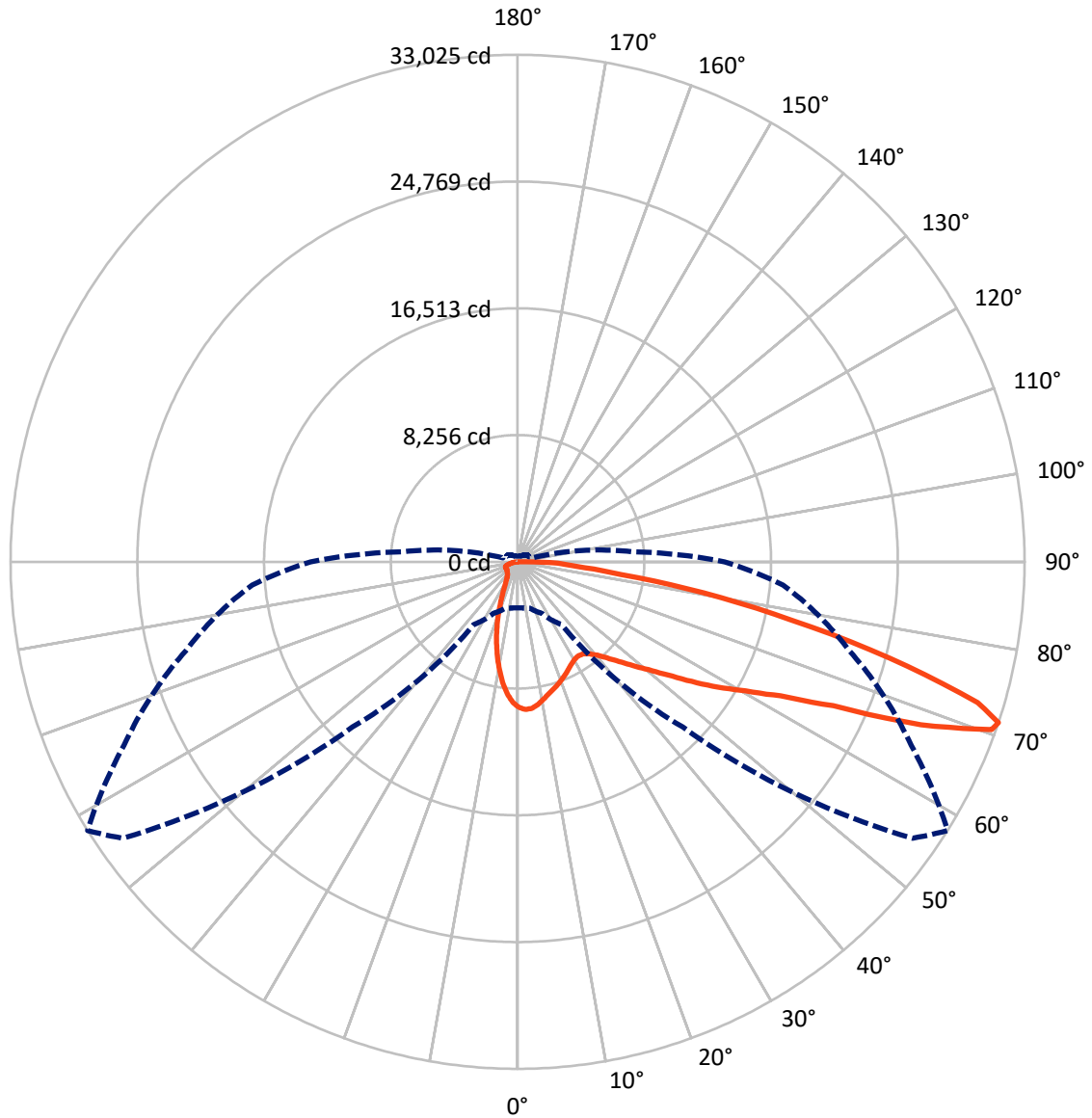
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.2 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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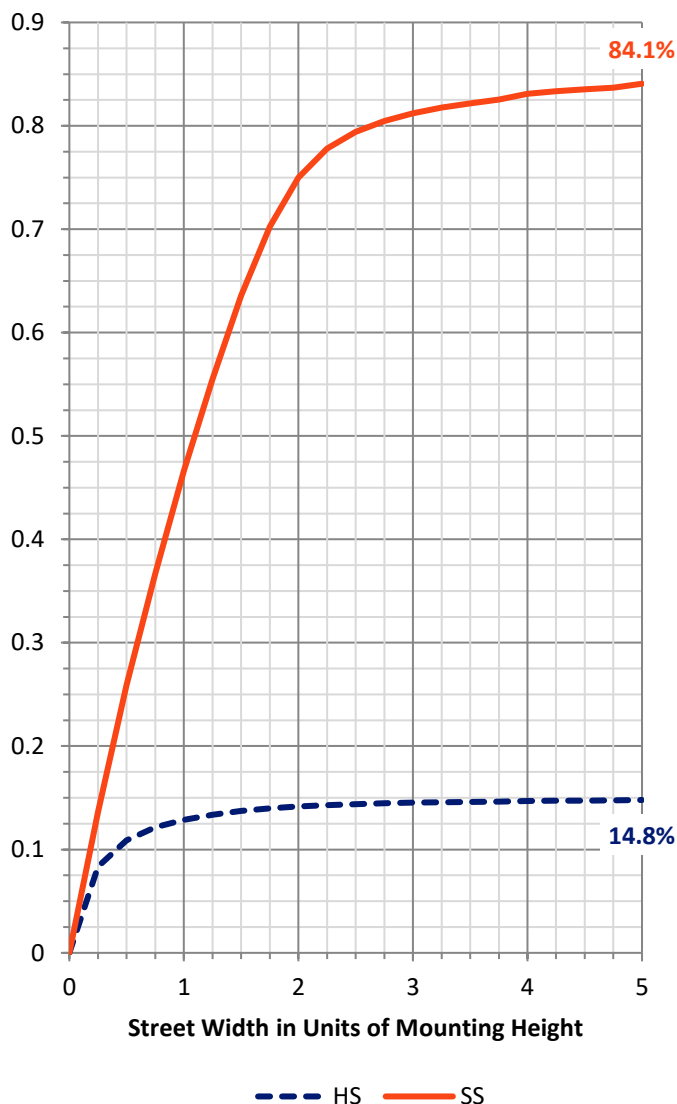
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5110.3	0.0	5110.3
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	29070.7	0.0	29070.7
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	34181.0	0.0	34181.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	817.0	2.4
10°-20°	1816.7	5.3
20°-30°	2308.9	6.8
30°-40°	2941.0	8.6
40°-50°	4170.5	12.2
50°-60°	6454.1	18.9
60°-70°	8786.4	25.7
70°-80°	5861.5	17.1
80°-90°	1024.8	3.0
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°	34181.0	100.0
0°-180°	34181.0	100.0

**Coefficient of Utilization**

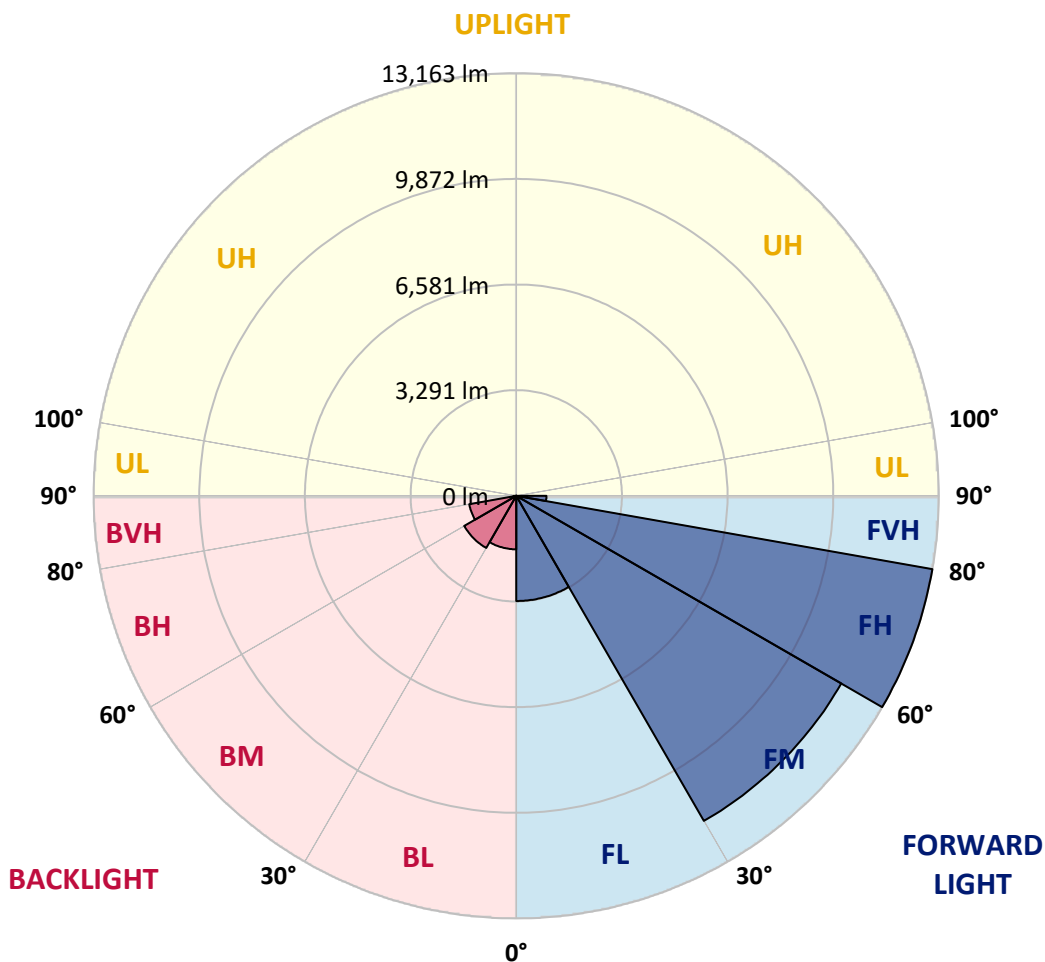


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3276.8	9.6			
FM (30°-60°)	11691.6	34.2			
FH (60°-80°)	13162.7	38.5			G5
FVH (80°-90°)	939.7	2.7			G5
BL (0°-30°)	1665.8	4.9	B3/2500		
BM (30°-60°)	1874.1	5.5	B2/2500		
BH (60°-80°)	1485.3	4.3	B3/2500		G3/2500
BVH (80°-90°)	85.1	0.2			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 III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4
2.5°	9721.6	9708.6	9713.3	9703.8	9681.2	9658.5	9625.2	9631.2	9584.7	9515.7	9429.9
5°	9538.3	9533.5	9569.2	9589.5	9606.2	9593.1	9583.5	9595.4	9527.6	9432.3	9283.5
7.5°	9153.7	9101.3	9146.6	9214.4	9278.7	9327.5	9391.8	9400.2	9357.3	9257.3	9062.0
10°	8607.2	8557.2	8623.9	8729.8	8858.4	8975.1	9104.9	9128.7	9137.0	9046.6	8809.6
12.5°	8040.5	8002.4	8069.0	8217.9	8431.0	8610.8	8817.9	8853.7	8927.5	8866.8	8576.2
15°	7533.2	7518.9	7599.9	7746.4	7991.6	8266.7	8565.5	8631.0	8756.0	8735.8	8394.1
17.5°	7095.1	7091.5	7153.4	7307.0	7578.5	7926.2	8314.3	8425.0	8610.8	8634.6	8244.1
20°	6768.8	6761.7	6804.6	6917.7	7197.5	7591.6	8042.8	8195.2	8463.1	8546.5	8089.3
22.5°	6593.8	6592.6	6593.8	6647.4	6876.0	7242.7	7778.5	7964.3	8319.1	8476.2	7917.8
25°	6564.0	6560.5	6534.3	6528.3	6658.1	6951.0	7516.6	7721.4	8182.1	8427.4	7754.7
27.5°	6641.4	6646.2	6611.7	6555.7	6581.9	6759.3	7289.2	7508.2	8072.6	8417.9	7641.6
30°	6802.2	6799.8	6770.0	6711.7	6660.5	6687.9	7127.2	7346.3	7998.8	8459.6	7564.2
32.5°	6979.6	6992.7	6986.7	6954.6	6878.4	6768.8	7078.4	7292.7	7977.3	8559.6	7530.9
35°	7192.7	7207.0	7249.9	7274.9	7185.6	7009.4	7183.2	7368.9	8039.3	8747.7	7584.4
37.5°	7395.1	7432.0	7552.3	7658.3	7582.1	7385.6	7461.8	7594.0	8231.0	9044.2	7728.5
40°	7628.5	7660.6	7857.1	8082.1	8070.2	7866.6	7910.7	7998.8	8569.1	9469.2	7989.3
42.5°	7858.3	7922.6	8207.1	8526.2	8617.9	8438.1	8508.4	8554.8	9045.4	10032.4	8444.1
45°	8164.3	8233.3	8628.6	9013.2	9227.5	9126.3	9238.2	9256.1	9644.3	10799.2	9104.9
47.5°	8627.4	8706.0	9166.8	9570.4	9897.9	9908.6	10093.1	10086.0	10392.0	11676.7	9937.2
50°	9349.0	9462.1	9839.5	10217.0	10614.6	10836.1	11082.6	11048.0	11288.5	12611.4	10895.6
52.5°	10294.4	10346.7	10626.5	10905.2	11399.3	11895.8	12249.4	12218.4	12305.4	13572.2	11983.9
55°	11274.3	11313.5	11429.0	11581.4	12245.8	13055.5	13803.2	13754.4	13534.1	14570.0	13059.0
57.5°	12155.3	12235.1	12314.9	12378.0	13098.3	14267.5	15392.7	15396.3	14867.6	15646.3	14169.9
60°	12292.3	12362.5	12890.0	13387.7	14556.9	15884.4	17094.1	17058.4	16247.6	16814.3	15408.2
62.5°	10865.9	11024.2	11905.3	13229.3	15961.8	18842.0	19264.7	19220.6	17897.8	18253.8	16850.1
65°	7786.8	7966.6	9029.9	11019.5	15280.8	22100.8	23181.9	22589.0	20148.2	20024.3	18538.4
67.5°	4492.3	4535.2	4996.0	6593.8	11635.0	22271.1	29157.8	28327.9	23642.7	22033.0	19364.7
70°	3321.9	3320.7	3430.3	4057.7	6296.2	18176.4	31999.9	32744.0	27321.8	22693.8	18196.7
71°	3004.0	3007.6	3130.2	3693.4	4986.4	15214.1	31396.2	33025.0	28291.0	22367.5	17351.3
72.5°	2569.4	2581.3	2751.6	3312.4	4194.7	10492.0	28795.8	31339.1	28750.6	21562.7	16028.5
75°	1949.1	1976.5	2212.2	2792.1	3833.9	5321.0	21134.0	25025.1	25540.6	19026.6	11910.1
77.5°	1390.7	1421.6	1688.3	2348.0	3644.6	4010.1	14153.2	18253.8	18795.6	12193.4	5372.2
80°	878.7	915.6	1116.8	1868.1	3424.3	3807.7	8894.1	12269.6	10249.1	3901.8	1366.9
82.5°	515.6	544.1	693.0	1220.4	2796.8	3667.2	5232.9	6801.0	3988.7	1178.7	621.5
85°	298.9	312.0	432.2	777.5	2031.2	3461.2	3844.6	3801.7	1731.2	576.3	294.1
87.5°	139.3	154.8	256.0	406.0	1127.5	2508.7	3038.5	2625.4	1076.3	270.3	138.1
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°	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4	9470.4
2.5°	9388.3	9368.0	9283.5	9208.5	9129.9	9027.5	8914.4	8900.1	8831.0	8844.1	8820.3
5°	9202.5	9151.3	8947.7	8763.2	8545.3	8350.0	8138.1	8040.5	7900.0	7890.4	7854.7
7.5°	8937.0	8841.8	8526.2	8176.2	7826.1	7492.8	7162.9	6946.2	6724.8	6630.7	6622.4
10°	8638.2	8476.2	8011.9	7493.9	6989.1	6502.1	6030.6	5681.8	5367.4	5218.6	5212.7
12.5°	8354.8	8115.5	7478.5	6773.6	6083.0	5452.0	4805.5	4347.1	3953.0	3820.8	3764.8
15°	8114.3	7777.3	6959.3	6058.0	5219.8	4343.5	3607.7	3125.5	2761.1	2634.9	2611.1
17.5°	7880.9	7447.5	6427.1	5335.3	4322.1	3358.8	2621.8	2263.4	2069.3	2018.2	2017.0
20°	7648.7	7108.2	5871.1	4595.9	3454.1	2512.3	2015.8	1855.0	1789.5	1783.6	1774.1
22.5°	7385.6	6748.6	5286.5	3854.1	2695.6	1975.3	1713.3	1649.0	1640.7	1662.1	1662.1
25°	7139.1	6391.4	4693.5	3127.8	2096.7	1647.9	1530.0	1516.9	1539.5	1577.6	1581.2
27.5°	6909.3	6047.3	4114.9	2482.5	1680.0	1451.4	1402.6	1418.1	1458.5	1502.6	1503.8
30°	6720.0	5722.3	3552.9	1956.2	1419.3	1305.0	1296.6	1327.6	1371.6	1406.2	1414.5
32.5°	6573.6	5444.8	3010.0	1572.8	1249.0	1195.4	1202.6	1228.7	1256.1	1275.2	1288.3
35°	6505.7	5206.7	2508.7	1326.4	1140.6	1110.9	1120.4	1134.7	1146.6	1160.9	1171.6
37.5°	6517.6	5022.2	2061.0	1172.8	1068.0	1052.5	1052.5	1052.5	1052.5	1059.7	1060.9
40°	6628.3	4916.2	1696.7	1075.2	1019.2	1002.5	989.4	977.5	968.0	972.8	970.4
42.5°	6911.7	4906.7	1430.0	1013.2	979.9	952.5	926.3	909.7	897.7	902.5	904.9
45°	7392.7	5025.7	1250.2	969.2	943.0	901.3	868.0	850.1	841.8	857.3	859.6
47.5°	8015.4	5285.3	1140.6	937.0	908.5	853.7	818.0	801.3	803.7	826.3	832.3
50°	8817.9	5706.8	1088.3	916.8	884.7	813.2	776.3	762.0	769.2	801.3	808.5
52.5°	9699.0	6314.0	1094.2	910.8	869.2	783.4	744.2	727.5	739.4	769.2	775.1
55°	10715.8	7043.9	1193.0	919.2	846.6	764.4	718.0	689.4	698.9	726.3	731.1
57.5°	11845.8	7879.7	1391.9	916.8	818.0	746.5	690.6	647.7	654.9	671.5	676.3
60°	13022.1	8889.4	1700.2	923.9	804.9	725.1	653.7	600.1	597.7	612.0	614.4
62.5°	14434.2	10057.4	2052.7	928.7	813.2	697.7	604.8	552.5	545.3	548.9	551.3
65°	15889.2	10902.8	1920.5	909.7	839.4	675.1	562.0	506.0	492.9	490.5	491.7
67.5°	15934.5	9996.7	1346.6	871.6	850.1	663.2	529.8	466.7	445.3	437.0	435.8
70°	14290.2	8121.4	1049.0	831.1	807.3	644.1	500.1	434.6	402.4	389.3	388.2
71°	13487.7	7476.1	994.2	810.8	775.1	625.1	487.0	420.3	387.0	372.7	370.3
72.5°	12229.2	6702.2	927.5	778.7	713.2	576.3	462.0	400.1	365.5	348.9	345.3
75°	8776.3	4382.8	796.5	694.1	590.6	459.6	404.8	359.6	329.8	309.6	307.2
77.5°	3381.4	1744.3	602.5	577.5	452.4	359.6	333.4	310.8	289.3	269.1	267.9
80°	1045.4	779.9	439.3	434.6	327.4	267.9	259.6	253.6	245.3	223.8	219.1
82.5°	558.4	447.7	302.4	281.0	214.3	178.6	188.1	190.5	191.7	169.1	166.7
85°	266.7	236.9	170.3	159.5	125.0	100.0	115.5	125.0	126.2	103.6	96.4
87.5°	127.4	123.8	79.8	60.7	46.4	33.3	40.5	50.0	54.8	39.3	34.5
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)