

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: P319331

Luminaire Tested: **GAN-SA7C-730-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319331  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA7C-730-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 44634 lumens  
Efficiency: N/A  
Efficacy: 114.2 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

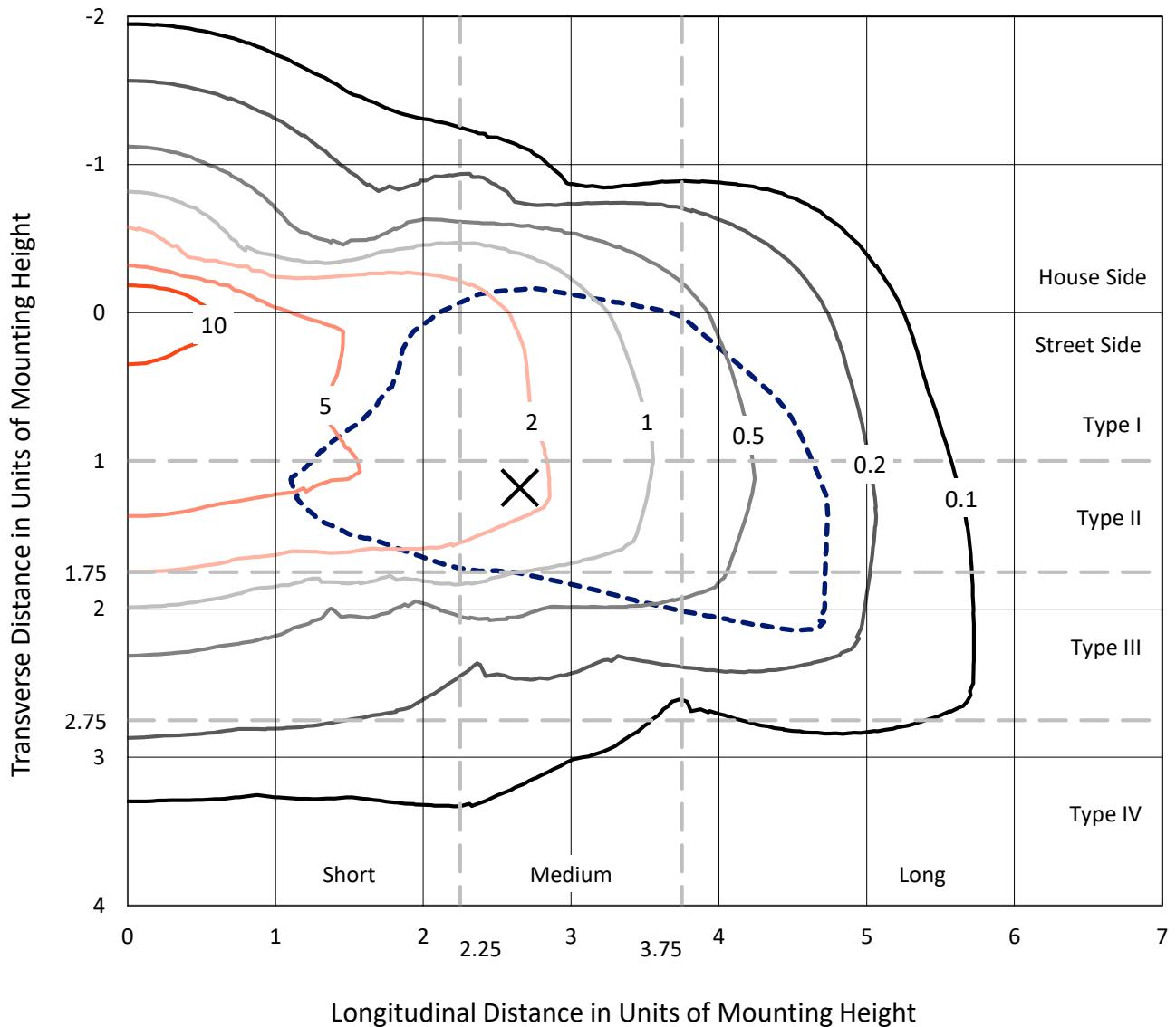
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

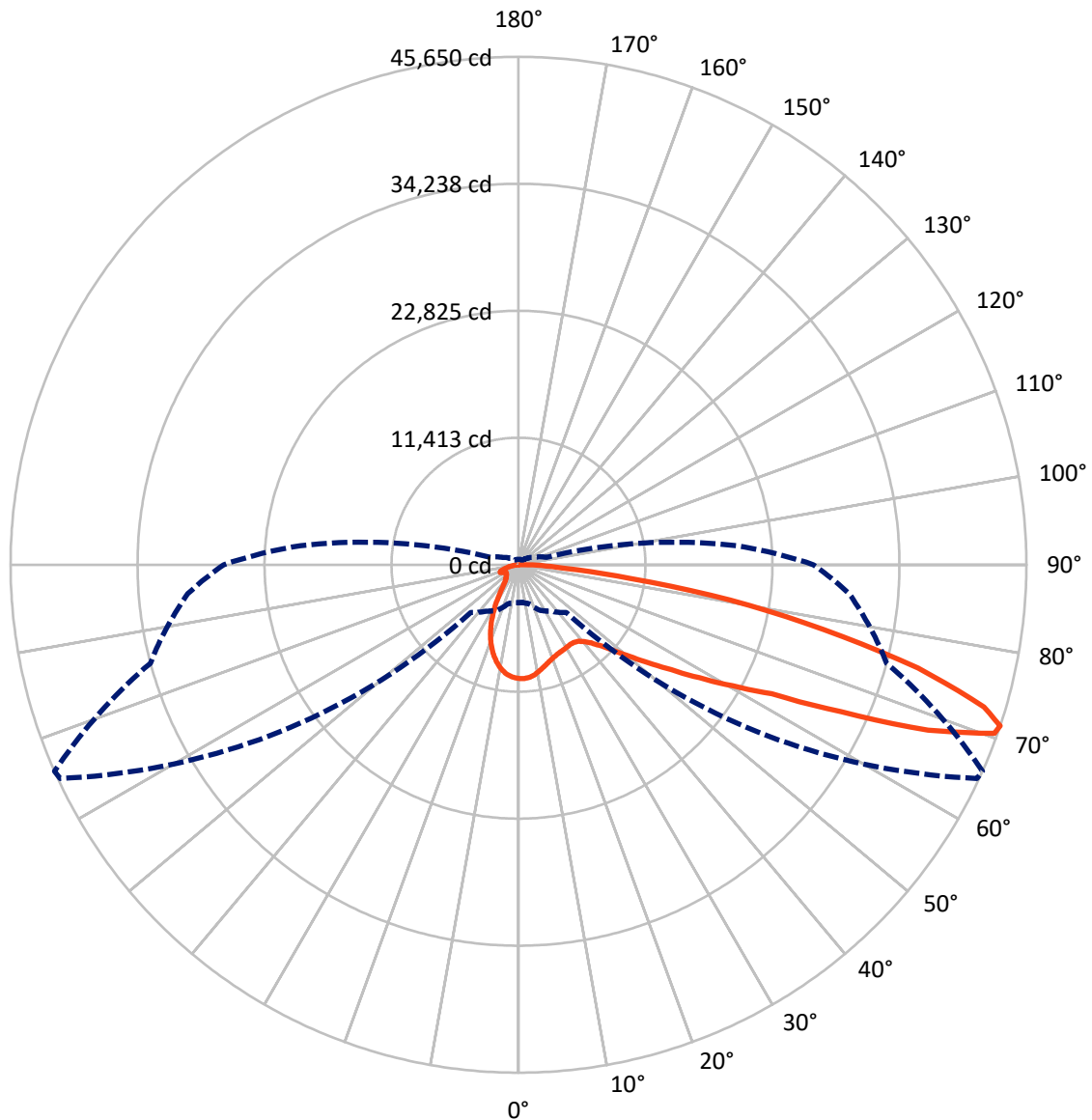
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.4 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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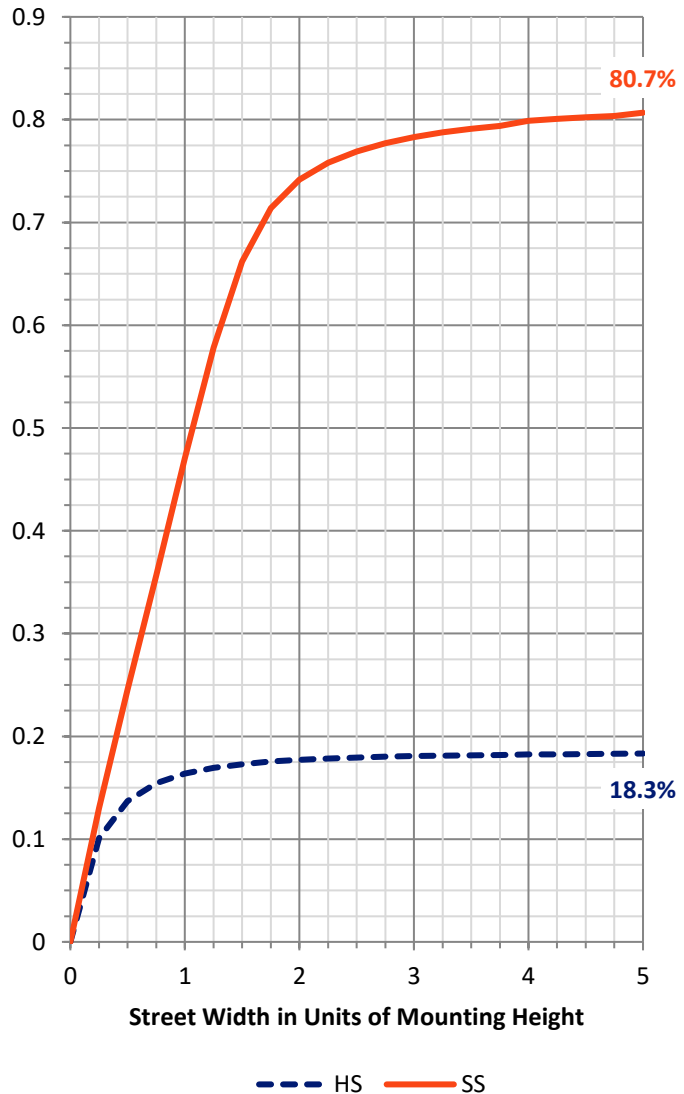
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8271.9	0.0	8271.9
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	36362.1	0.0	36362.1
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	44634.0	0.0	44634.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	900.0	2.0
10°-20°	2158.7	4.8
20°-30°	2899.6	6.5
30°-40°	3814.4	8.5
40°-50°	5548.9	12.4
50°-60°	8668.0	19.4
60°-70°	10858.1	24.3
70°-80°	8282.3	18.6
80°-90°	1504.0	3.4
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°	44634.0	100.0
0°-180°	44634.0	100.0

**Coefficient of Utilization**

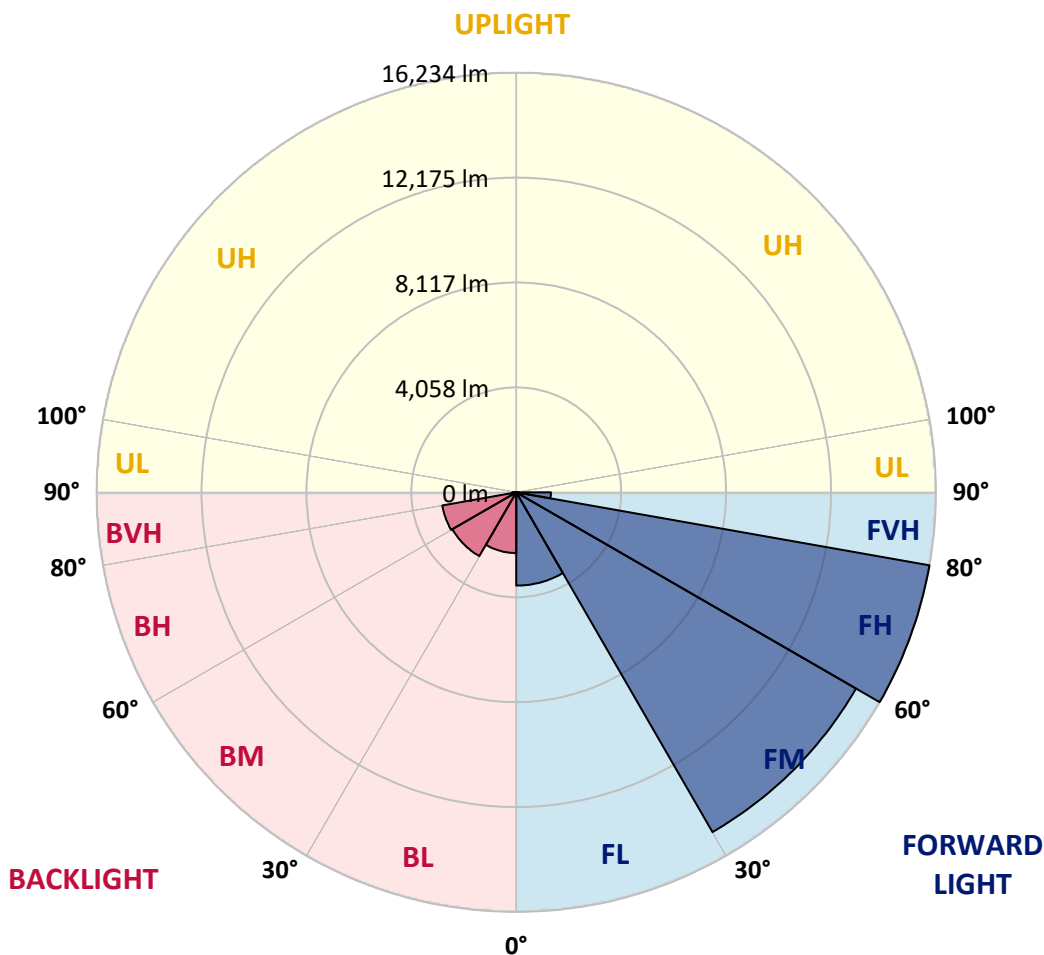


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3609.3	8.1			
FM (30°-60°)	15177.8	34.0			
FH (60°-80°)	16233.9	36.4			G5
FVH (80°-90°)	1341.2	3.0			G5
BL (0°-30°)	2349.0	5.3	B3/2500		
BM (30°-60°)	2853.5	6.4	B3/5000		
BH (60°-80°)	2906.6	6.5	B4/5000		G4/5000
BVH (80°-90°)	162.8	0.4			G2/225
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°	66°	75°	85°
0°	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8
2.5°	10035.2	10019.8	10066.1	10113.8	10132.3	10163.1	10209.4	10235.6	10234.0	10238.7	10223.2
5°	9369.5	9349.5	9441.9	9517.4	9662.3	9825.7	10024.5	10166.2	10169.3	10249.4	10271.0
7.5°	8739.2	8725.4	8831.7	8953.4	9121.4	9371.1	9693.1	9998.3	10016.7	10234.0	10309.5
10°	8233.8	8230.7	8333.9	8466.5	8662.2	8941.1	9310.9	9757.9	9785.6	10160.1	10315.7
12.5°	7839.3	7845.4	7934.8	8085.8	8292.3	8583.6	8984.2	9488.2	9532.9	10042.9	10280.3
15°	7548.0	7572.7	7645.1	7797.7	8001.1	8296.9	8708.4	9238.5	9306.3	9912.0	10260.2
17.5°	7381.6	7409.3	7460.2	7586.5	7777.6	8062.7	8452.6	9033.6	9095.2	9811.8	10261.8
20°	7332.3	7355.4	7384.7	7461.7	7623.5	7882.4	8250.7	8848.6	8914.9	9731.7	10277.2
22.5°	7429.3	7446.3	7449.4	7443.2	7541.8	7753.0	8104.3	8713.0	8783.9	9679.3	10288.0
25°	7637.4	7660.5	7643.5	7586.5	7554.2	7683.6	8028.8	8623.6	8694.5	9640.7	10266.4
27.5°	7950.2	7953.3	7939.4	7865.5	7712.9	7691.3	8005.7	8571.3	8639.1	9596.0	10221.7
30°	8375.5	8395.6	8370.9	8270.7	8021.1	7814.6	8033.4	8520.4	8582.0	9539.0	10149.3
32.5°	8873.3	8922.6	8921.1	8816.3	8458.8	8090.4	8147.5	8489.6	8537.3	9478.9	10061.4
35°	9389.5	9457.3	9583.7	9539.0	9096.7	8526.6	8366.3	8538.9	8571.3	9471.2	9999.8
37.5°	9925.8	9993.6	10254.1	10374.3	9856.5	9150.7	8711.5	8713.0	8728.4	9565.2	9995.2
40°	10486.8	10559.2	10950.6	11263.4	10841.2	9941.2	9267.8	9076.7	9059.8	9796.4	10086.1
42.5°	11272.7	11337.4	11807.4	12206.6	11933.8	10953.7	10036.8	9637.6	9602.2	10249.4	10377.3
45°	12266.7	12322.1	12821.4	13248.3	13108.1	12109.5	11003.0	10409.7	10403.5	11004.6	10967.6
47.5°	13448.6	13491.8	13940.2	14353.2	14404.1	13439.4	12217.3	11600.9	11500.8	12040.1	11881.4
50°	14679.9	14727.7	15032.8	15476.6	15854.2	15219.3	13780.0	13060.3	12926.2	13407.0	13175.9
52.5°	15495.1	15558.3	15823.4	16385.9	17484.6	17170.2	15627.7	14829.4	14626.0	15063.6	14886.4
55°	15131.4	15273.2	15678.5	16580.0	18788.3	20150.6	17906.9	16892.9	16663.2	17026.9	16922.1
57.5°	13477.9	13672.1	14225.3	15616.9	18971.7	22776.5	21352.6	19323.1	19161.3	19056.5	19104.2
60°	10455.9	10642.4	11328.2	13142.0	17694.2	24693.6	26538.2	22318.8	22084.6	21093.7	21136.9
62.5°	7400.1	7306.1	7776.1	9102.9	14377.9	24918.6	32438.8	26325.5	25555.0	23245.0	23055.5
65°	5643.3	5621.7	5832.8	6255.1	8708.4	22226.4	35954.0	33059.9	31856.3	25775.4	25328.5
67.5°	4637.0	4598.5	4806.5	5421.4	5607.8	14339.4	36031.0	40872.9	39691.0	28925.3	27957.5
70°	3812.5	3769.4	3963.5	4757.2	5182.5	7272.2	30324.5	45448.3	45385.1	32913.5	29942.4
71°	3418.0	3387.2	3619.9	4501.4	5091.6	6060.9	26182.2	45460.6	45650.2	34263.4	29825.2
72.5°	2783.1	2793.9	3040.5	4006.7	5023.8	5352.0	19242.9	43341.7	43742.4	35550.2	28760.4
75°	1849.2	1858.5	2182.1	3082.1	4871.2	5236.4	10576.1	36368.5	37105.1	34779.7	26243.9
77.5°	1242.1	1239.0	1459.4	2114.3	4244.0	5236.4	6201.1	27200.9	28009.9	27674.0	20232.3
80°	855.3	849.1	1004.8	1459.4	3213.1	5299.6	4794.2	19062.6	19307.7	14945.0	8223.0
82.5°	524.0	528.6	656.5	1031.0	2186.7	4769.5	4526.0	10394.3	10127.7	4191.6	2054.2
85°	300.5	299.0	419.2	698.1	1403.9	4025.2	4413.5	4473.6	4103.8	1262.1	742.8
87.5°	107.9	115.6	225.0	386.8	804.4	2803.1	3744.7	2327.0	2097.4	570.2	335.9
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°	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8	10224.8
2.5°	10212.5	10221.7	10210.9	10149.3	10096.9	10012.1	9964.3	9898.1	9878.1	9868.8	9893.5
5°	10251.0	10254.1	10163.1	10001.3	9819.5	9605.3	9451.2	9261.6	9172.3	9133.7	9158.4
7.5°	10286.4	10272.6	10073.8	9764.0	9428.1	9055.1	8723.8	8420.2	8243.0	8170.6	8176.7
10°	10291.0	10232.5	9913.5	9434.2	8913.4	8366.3	7857.8	7389.3	7093.4	6900.8	6959.3
12.5°	10243.3	10144.7	9677.7	9007.4	8284.6	7538.8	6851.5	6148.7	5726.5	5530.8	5536.9
15°	10206.3	10027.5	9388.0	8505.0	7534.1	6546.3	5607.8	4781.8	4331.9	4131.5	4037.5
17.5°	10175.5	9901.2	9052.1	7939.4	6648.0	5395.2	4267.1	3530.5	3284.0	3225.4	3200.7
20°	10132.3	9767.1	8677.6	7284.5	5638.7	4106.9	3116.0	2752.3	2753.8	2821.6	2830.9
22.5°	10072.2	9614.5	8278.5	6549.4	4555.3	2991.2	2442.5	2337.8	2444.1	2573.5	2596.6
25°	9982.8	9434.2	7834.6	5737.3	3473.5	2299.2	2086.6	2081.9	2211.4	2347.0	2367.0
27.5°	9856.5	9198.5	7341.5	4865.1	2559.7	1954.0	1869.3	1901.6	1997.2	2095.8	2103.5
30°	9687.0	8924.1	6797.5	3945.1	2006.4	1739.8	1730.6	1759.9	1818.4	1887.8	1893.9
32.5°	9500.5	8645.2	6216.5	3054.3	1718.3	1624.3	1633.5	1647.4	1675.1	1702.8	1709.0
35°	9331.0	8360.1	5621.7	2320.8	1581.1	1548.7	1542.6	1539.5	1542.6	1533.3	1534.9
37.5°	9221.6	8124.4	5002.2	1847.7	1502.5	1482.5	1464.0	1440.9	1414.7	1399.3	1402.3
40°	9181.5	7948.7	4375.0	1596.5	1437.8	1423.9	1388.5	1339.2	1308.3	1299.1	1299.1
42.5°	9289.4	7857.8	3769.4	1470.1	1383.9	1360.7	1302.2	1245.2	1222.0	1220.5	1219.0
45°	9619.2	7894.7	3193.0	1400.8	1334.5	1289.8	1212.8	1165.0	1149.6	1152.7	1151.2
47.5°	10210.9	8127.4	2699.9	1354.6	1285.2	1226.7	1140.4	1101.8	1083.3	1083.3	1084.9
50°	11217.2	8671.4	2306.9	1316.0	1243.6	1168.1	1088.0	1040.2	1015.5	1014.0	1014.0
52.5°	12682.7	9645.4	2061.9	1283.7	1197.4	1115.7	1035.6	975.5	946.2	940.0	937.0
55°	14519.7	11041.5	1994.1	1262.1	1135.7	1058.7	972.4	912.3	879.9	866.1	864.5
57.5°	16573.9	12739.8	2128.2	1235.9	1072.6	990.9	903.0	846.0	812.1	795.2	793.6
60°	18652.7	14593.6	2675.2	1198.9	1020.2	916.9	832.2	779.8	745.9	727.4	724.3
62.5°	20734.7	16547.7	3792.5	1195.8	983.2	846.0	759.7	715.0	682.7	662.6	658.0
65°	23083.2	18686.6	5062.3	1277.5	970.9	781.3	685.8	650.3	622.6	604.1	602.5
67.5°	25780.0	21101.4	4940.6	1445.5	1012.5	722.7	616.4	588.7	568.6	553.2	551.7
70°	27045.2	20723.9	3071.3	1564.2	1071.0	665.7	550.2	530.1	514.7	503.9	499.3
71°	26515.1	19677.5	2575.1	1550.3	1064.9	641.1	524.0	508.5	493.1	483.9	479.3
72.5°	25069.6	17945.4	2148.2	1442.4	995.5	596.4	490.0	474.6	460.8	450.0	446.9
75°	22496.1	16026.8	1719.8	1152.7	793.6	503.9	429.9	413.0	402.2	396.0	389.9
77.5°	16536.9	11437.6	1329.9	910.8	584.1	411.5	366.8	354.4	343.7	334.4	329.8
80°	6335.2	4430.5	895.3	679.6	428.4	325.2	295.9	289.7	278.9	272.8	272.8
82.5°	1705.9	1323.8	477.7	411.5	286.6	237.3	226.5	223.5	214.2	201.9	203.4
85°	690.4	584.1	268.1	226.5	175.7	140.2	152.6	154.1	143.3	127.9	129.4
87.5°	303.6	248.1	149.5	100.2	77.1	53.9	69.3	69.3	63.2	52.4	47.8
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)