

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: P319314

Luminaire Tested: **GAN-SA0A-730-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319314  
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-SA0A-730-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 615mA 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: 41152 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

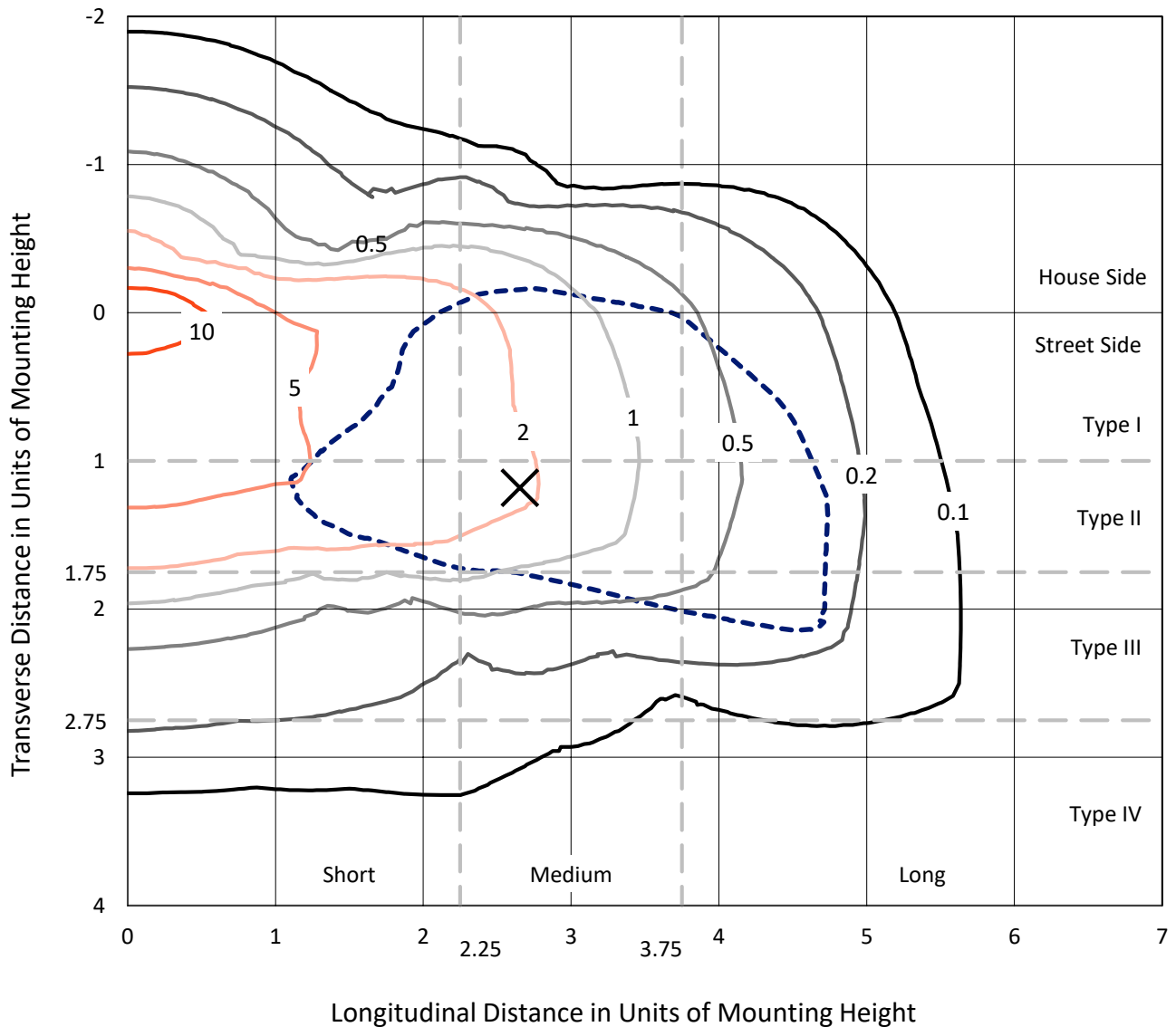
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

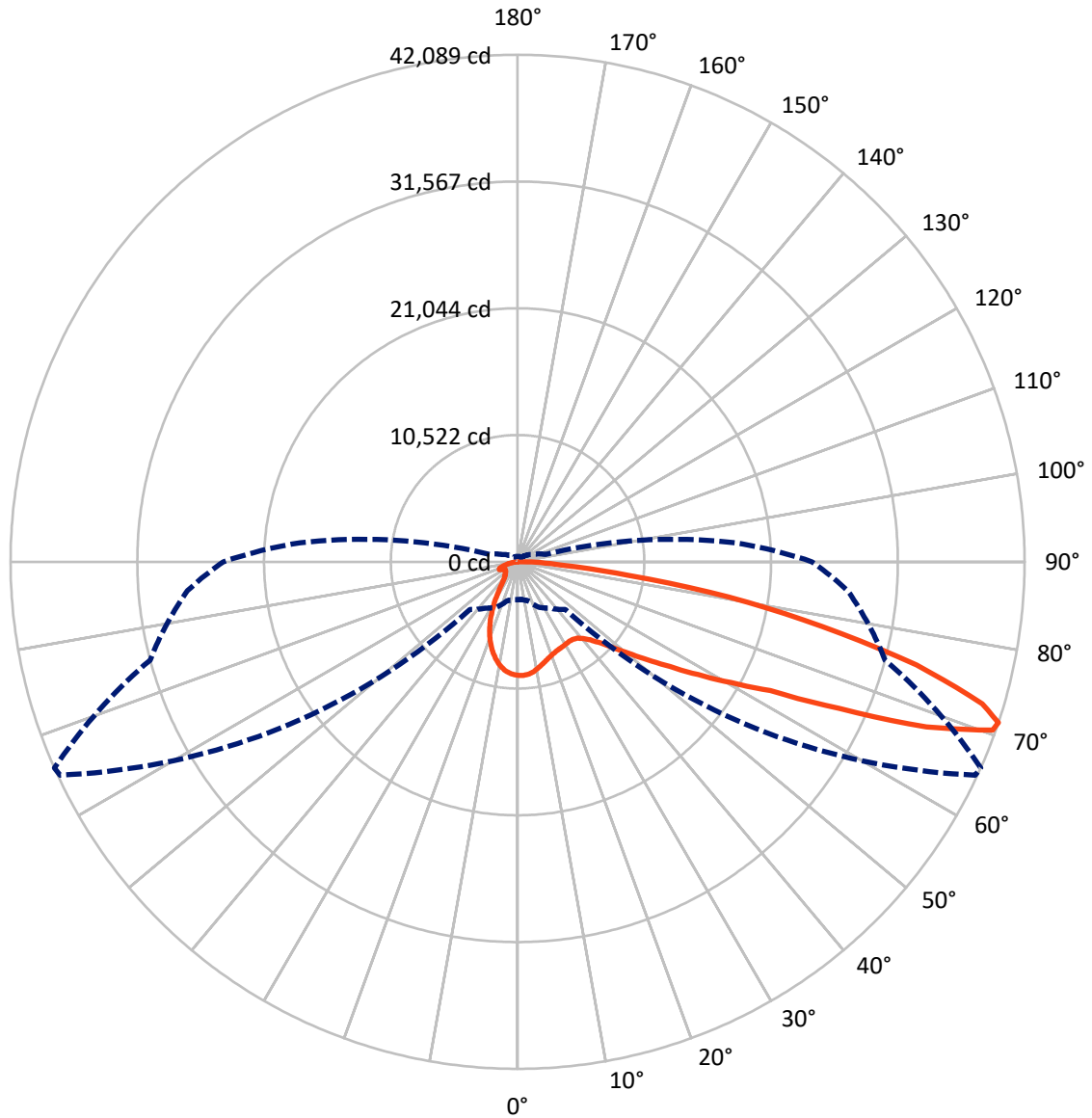
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 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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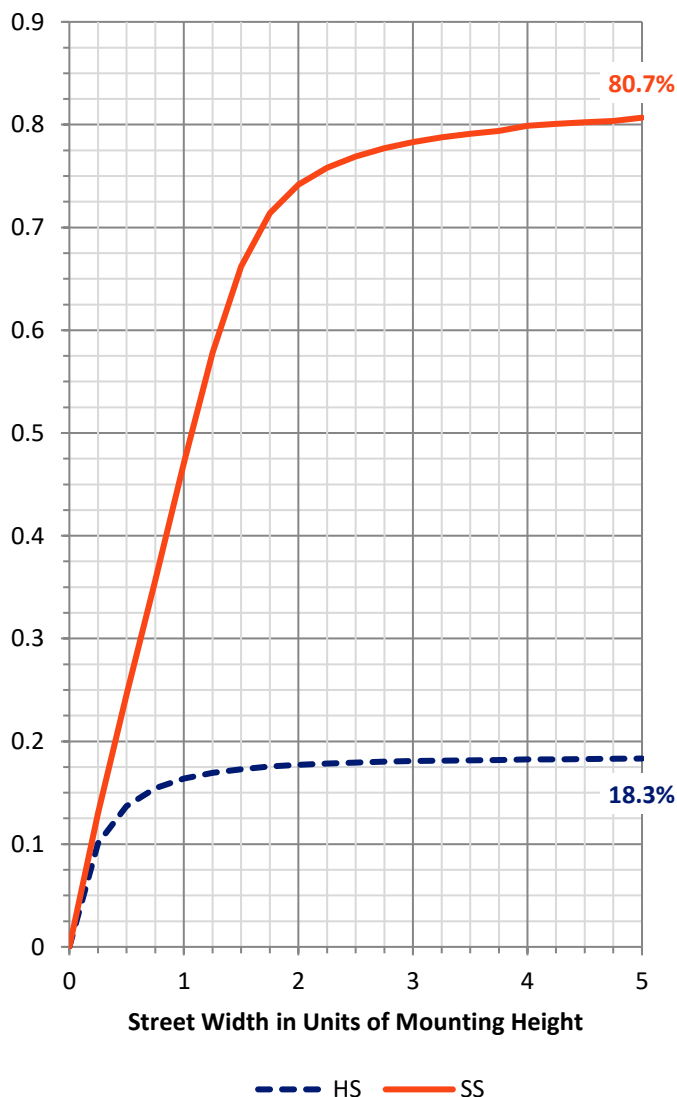
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7626.6	0.0	7626.6
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	33525.4	0.0	33525.4
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	41152.0	0.0	41152.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	829.8	2.0
10°-20°	1990.2	4.8
20°-30°	2673.4	6.5
30°-40°	3516.8	8.5
40°-50°	5116.0	12.4
50°-60°	7991.8	19.4
60°-70°	10011.0	24.3
70°-80°	7636.2	18.6
80°-90°	1386.6	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°	41152.0	100.0
0°-180°	41152.0	100.0

**Coefficient of Utilization**

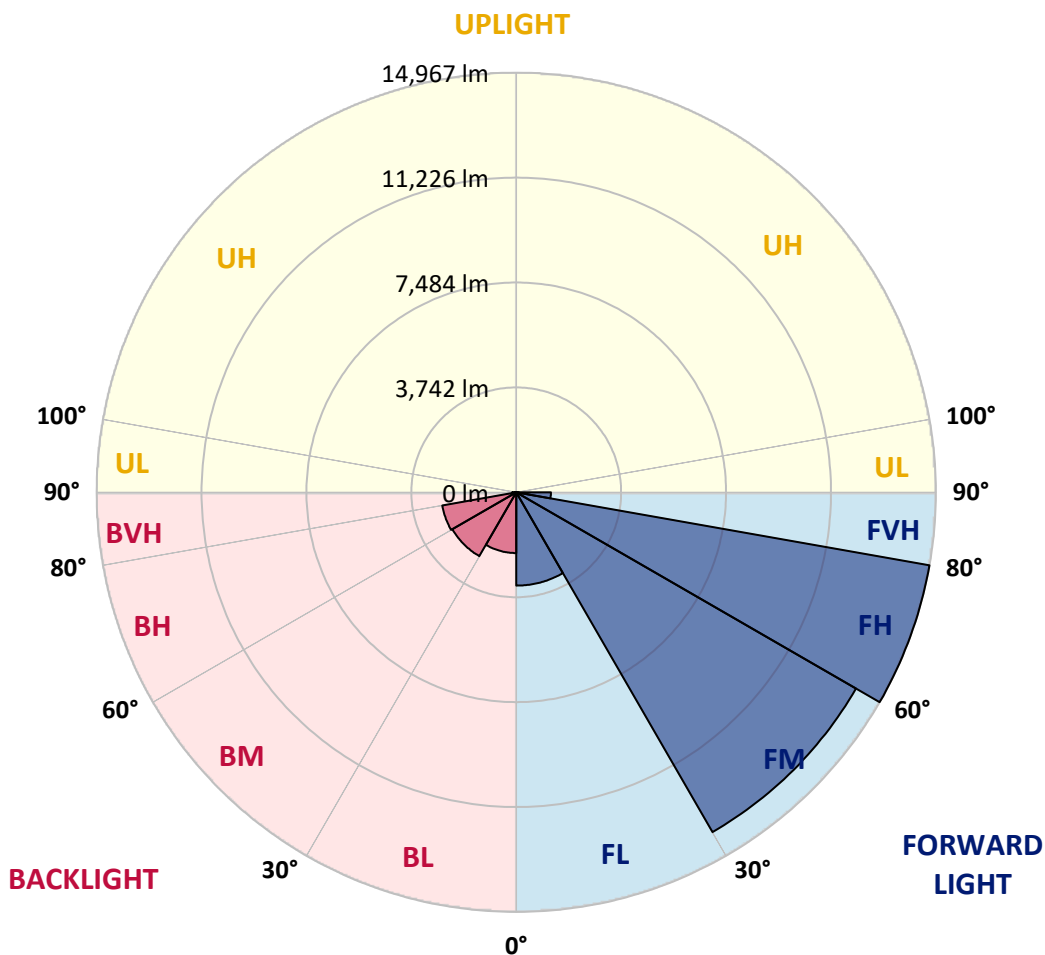


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3327.7	8.1			
FM (30°-60°)	13993.7	34.0			
FH (60°-80°)	14967.4	36.4			G5
FVH (80°-90°)	1236.5	3.0			G5
BL (0°-30°)	2165.8	5.3	B3/2500		
BM (30°-60°)	2630.9	6.4	B3/5000		
BH (60°-80°)	2679.8	6.5	B4/5000		G4/5000
BVH (80°-90°)	150.1	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°	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1
2.5°	9252.4	9238.2	9280.8	9324.8	9341.9	9370.3	9412.9	9437.1	9435.7	9439.9	9425.7
5°	8638.6	8620.1	8705.4	8775.0	8908.5	9059.1	9242.4	9373.1	9376.0	9449.9	9469.8
7.5°	8057.5	8044.7	8142.7	8255.0	8409.8	8640.0	8936.9	9218.3	9235.3	9435.7	9505.3
10°	7591.4	7588.6	7683.8	7806.0	7986.4	8243.6	8584.6	8996.6	9022.2	9367.5	9511.0
12.5°	7227.7	7233.4	7315.8	7455.0	7645.4	7914.0	8283.4	8748.0	8789.2	9259.5	9478.3
15°	6959.2	6981.9	7048.7	7189.3	7376.9	7649.7	8029.0	8517.8	8580.3	9138.7	9459.8
17.5°	6805.7	6831.3	6878.2	6994.7	7170.9	7433.7	7793.2	8328.8	8385.7	9046.3	9461.2
20°	6760.3	6781.6	6808.6	6879.6	7028.8	7267.5	7607.1	8158.3	8219.4	8972.5	9475.4
22.5°	6849.8	6865.4	6868.2	6862.6	6953.5	7148.1	7472.1	8033.3	8098.7	8924.2	9485.4
25°	7041.6	7062.9	7047.3	6994.7	6964.8	7084.2	7402.5	7950.9	8016.3	8888.6	9465.5
27.5°	7330.0	7332.8	7320.1	7251.9	7111.2	7091.3	7381.1	7902.6	7965.1	8847.4	9424.3
30°	7722.1	7740.6	7717.9	7625.5	7395.4	7205.0	7406.7	7855.7	7912.5	8794.9	9357.5
32.5°	8181.1	8226.5	8225.1	8128.5	7798.9	7459.3	7511.9	7827.3	7871.3	8739.5	9276.5
35°	8657.0	8719.6	8836.1	8794.9	8387.1	7861.4	7713.6	7872.8	7902.6	8732.3	9219.7
37.5°	9151.5	9214.0	9454.1	9564.9	9087.6	8436.8	8031.9	8033.3	8047.5	8819.0	9215.4
40°	9668.7	9735.4	10096.3	10384.8	9995.5	9165.7	8544.8	8368.6	8353.0	9032.1	9299.3
42.5°	10393.3	10453.0	10886.3	11254.3	11002.8	10099.2	9253.8	8885.8	8853.1	9449.9	9567.8
45°	11309.7	11360.9	11821.2	12214.8	12085.5	11164.8	10144.6	9597.6	9591.9	10146.1	10112.0
47.5°	12399.5	12439.3	12852.7	13233.5	13280.4	12391.0	11264.2	10695.9	10603.6	11100.8	10954.5
50°	13534.7	13578.8	13860.1	14269.3	14617.4	14032.0	12705.0	12041.4	11917.8	12361.1	12148.0
52.5°	14286.3	14344.6	14589.0	15107.6	16120.6	15830.8	14408.5	13672.5	13485.0	13888.5	13725.1
55°	13951.0	14081.7	14455.4	15286.6	17322.6	18578.6	16509.9	15575.0	15363.3	15698.6	15602.0
57.5°	12426.5	12605.5	13115.6	14398.6	17491.7	20999.7	19686.9	17815.6	17666.4	17569.8	17613.9
60°	9640.2	9812.2	10444.4	12116.7	16313.8	22767.2	24467.9	20577.7	20361.7	19448.2	19487.9
62.5°	6822.8	6736.1	7169.4	8392.8	13256.2	22974.6	29908.2	24271.8	23561.4	21431.6	21256.9
65°	5203.0	5183.1	5377.8	5767.1	8029.0	20492.5	33149.1	30480.8	29371.1	23764.6	23352.6
67.5°	4275.2	4239.7	4431.5	4998.4	5170.4	13220.7	33220.1	37684.4	36594.6	26668.8	25776.5
70°	3515.1	3475.3	3654.3	4386.1	4778.2	6704.8	27958.9	41902.8	41844.5	30345.8	27606.5
71°	3151.4	3123.0	3337.5	4150.2	4694.4	5588.1	24139.7	41914.1	42088.9	31590.5	27498.5
72.5°	2566.0	2575.9	2803.3	3694.1	4631.9	4934.5	17741.8	39960.5	40329.9	32776.8	26516.7
75°	1705.0	1713.5	2011.9	2841.6	4491.2	4827.9	9751.1	33531.3	34210.5	32066.4	24196.5
77.5°	1145.2	1142.3	1345.5	1949.4	3912.9	4827.9	5717.4	25078.9	25824.8	25515.0	18653.9
80°	788.6	782.9	926.4	1345.5	2962.4	4886.2	4420.2	17575.5	17801.4	13779.1	7581.5
82.5°	483.1	487.3	605.3	950.5	2016.1	4397.4	4172.9	9583.4	9337.6	3864.6	1894.0
85°	277.1	275.6	386.5	643.6	1294.4	3711.2	4069.2	4124.6	3783.6	1163.6	684.8
87.5°	99.5	106.6	207.4	356.6	741.7	2584.5	3452.6	2145.4	1933.7	525.7	309.7
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°	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1	9427.1
2.5°	9415.8	9424.3	9414.3	9357.5	9309.2	9231.1	9187.0	9125.9	9107.4	9098.9	9121.7
5°	9451.3	9454.1	9370.3	9221.1	9053.5	8856.0	8713.9	8539.1	8456.7	8421.2	8443.9
7.5°	9484.0	9471.2	9287.9	9002.3	8692.6	8348.7	8043.2	7763.3	7600.0	7533.2	7538.9
10°	9488.2	9434.2	9140.1	8698.2	8218.0	7713.6	7244.8	6812.8	6540.0	6362.4	6416.4
12.5°	9444.2	9353.2	8922.7	8304.7	7638.3	6950.6	6317.0	5669.1	5279.8	5099.3	5105.0
15°	9410.1	9245.3	8655.6	7841.5	6946.4	6035.6	5170.4	4408.8	3993.9	3809.2	3722.5
17.5°	9381.7	9128.8	8345.9	7320.1	6129.4	4974.3	3934.2	3255.1	3027.8	2973.8	2951.0
20°	9341.9	9005.1	8000.6	6716.2	5198.8	3786.5	2872.9	2537.6	2539.0	2601.5	2610.0
22.5°	9286.5	8864.5	7632.6	6038.5	4199.9	2757.8	2252.0	2155.4	2253.4	2372.8	2394.1
25°	9204.1	8698.2	7223.4	5289.7	3202.5	2119.9	1923.8	1919.5	2038.9	2163.9	2182.4
27.5°	9087.6	8480.9	6768.8	4485.5	2360.0	1801.6	1723.5	1753.3	1841.4	1932.3	1939.4
30°	8931.3	8228.0	6267.2	3637.3	1849.9	1604.1	1595.6	1622.6	1676.6	1740.5	1746.2
32.5°	8759.3	7970.8	5731.6	2816.1	1584.2	1497.5	1506.1	1518.9	1544.4	1570.0	1575.7
35°	8603.1	7707.9	5183.1	2139.8	1457.8	1427.9	1422.2	1419.4	1422.2	1413.7	1415.1
37.5°	8502.2	7490.6	4612.0	1703.6	1385.3	1366.8	1349.8	1328.5	1304.3	1290.1	1292.9
40°	8465.2	7328.6	4033.7	1472.0	1325.6	1312.8	1280.2	1234.7	1206.3	1197.7	1197.7
42.5°	8564.7	7244.8	3475.3	1355.5	1275.9	1254.6	1200.6	1148.0	1126.7	1125.3	1123.9
45°	8868.7	7278.8	2943.9	1291.5	1230.4	1189.2	1118.2	1074.1	1059.9	1062.8	1061.4
47.5°	9414.3	7493.4	2489.3	1248.9	1185.0	1131.0	1051.4	1015.9	998.8	998.8	1000.3
50°	10342.1	7994.9	2127.0	1213.4	1146.6	1077.0	1003.1	959.1	936.3	934.9	934.9
52.5°	11693.3	8892.9	1901.1	1183.5	1104.0	1028.7	954.8	899.4	872.4	866.7	863.9
55°	13386.9	10180.2	1838.5	1163.6	1047.1	976.1	896.5	841.1	811.3	798.5	797.1
57.5°	15280.9	11745.9	1962.1	1139.5	988.9	913.6	832.6	780.0	748.8	733.1	731.7
60°	17197.6	13455.1	2466.5	1105.4	940.6	845.4	767.2	718.9	687.7	670.6	667.8
62.5°	19117.1	15256.7	3496.6	1102.6	906.5	780.0	700.5	659.3	629.4	611.0	606.7
65°	21282.4	17228.8	4667.4	1177.9	895.1	720.4	632.3	599.6	574.0	557.0	555.5
67.5°	23768.9	19455.3	4555.1	1332.7	933.5	666.4	568.3	542.8	524.3	510.1	508.7
70°	24935.4	19107.2	2831.7	1442.1	987.5	613.8	507.2	488.8	474.6	464.6	460.3
71°	24446.6	18142.4	2374.2	1429.3	981.8	591.1	483.1	468.9	454.7	446.1	441.9
72.5°	23113.9	16545.4	1980.6	1329.9	917.8	549.9	451.8	437.6	424.8	414.9	412.0
75°	20741.1	14776.5	1585.6	1062.8	731.7	464.6	396.4	380.8	370.8	365.2	359.5
77.5°	15246.8	10545.3	1226.2	839.7	538.5	379.4	338.2	326.8	316.8	308.3	304.1
80°	5841.0	4084.9	825.5	626.6	395.0	299.8	272.8	267.1	257.2	251.5	251.5
82.5°	1572.8	1220.5	440.5	379.4	264.3	218.8	208.9	206.0	197.5	186.1	187.5
85°	636.5	538.5	247.2	208.9	162.0	129.3	140.7	142.1	132.1	117.9	119.3
87.5°	279.9	228.8	137.8	92.4	71.0	49.7	63.9	63.9	58.3	48.3	44.0
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)