

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: P320014

Luminaire Tested: **GAN-SA0C-740-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P320014  
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-SA0C-740-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 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: 66524 lumens  
Efficiency: N/A  
Efficacy: 119.2 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B4 - U0 - G5

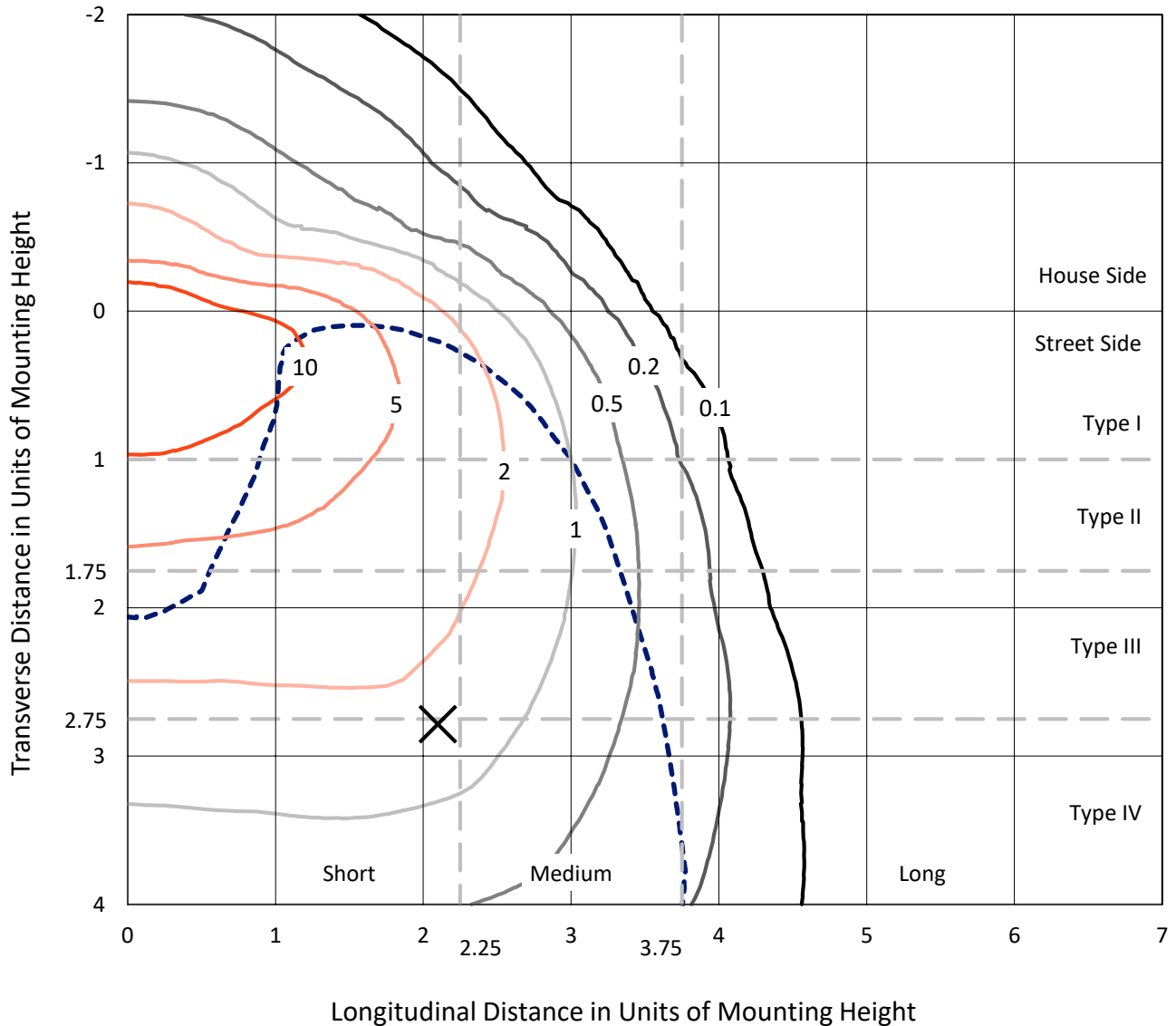
Input Watts (W): 558  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

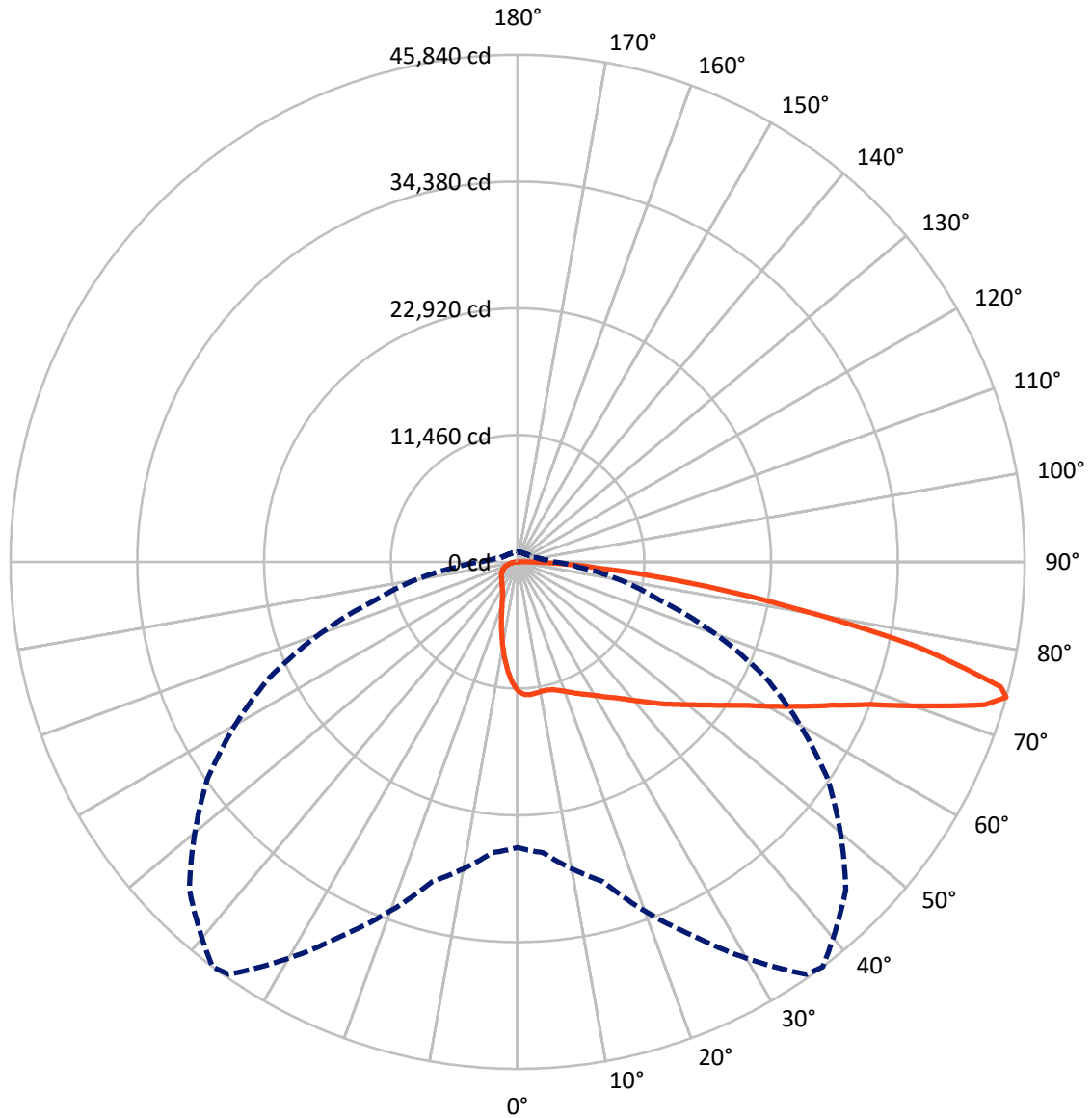
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.1 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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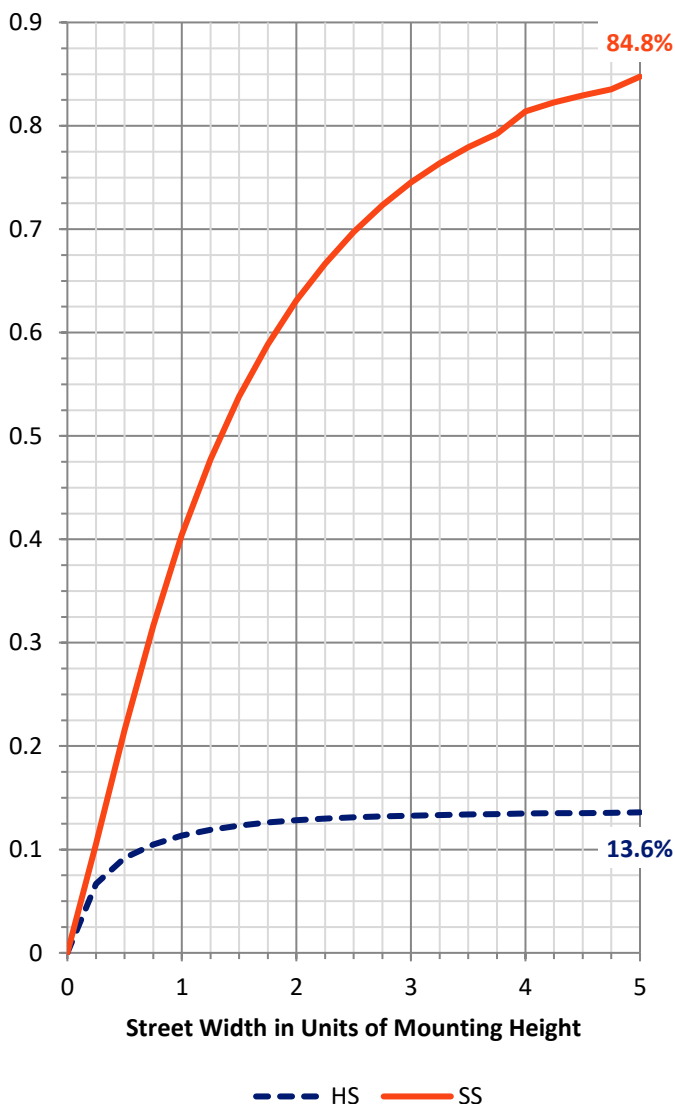
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9153.2	0.0	9153.2
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	57370.8	0.0	57370.8
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	66524.0	0.0	66524.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1032.2	1.6
10°-20°	2645.8	4.0
20°-30°	4076.6	6.1
30°-40°	5928.0	8.9
40°-50°	8725.0	13.1
50°-60°	12252.7	18.4
60°-70°	15508.2	23.3
70°-80°	13655.5	20.5
80°-90°	2700.0	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°	66524.0	100.0
0°-180°	66524.0	100.0

**Coefficient of Utilization**

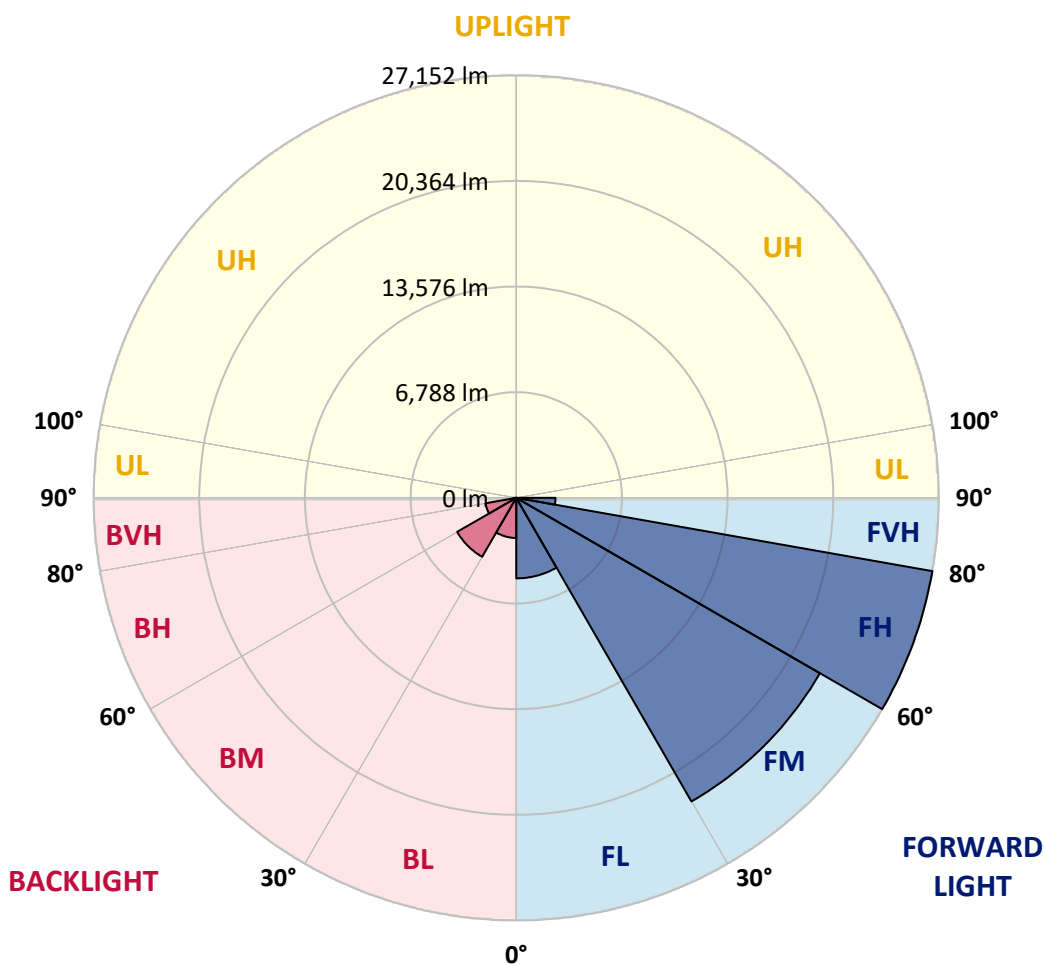


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5176.3	7.8			
FM (30°-60°)	22525.6	33.9			
FH (60°-80°)	27151.7	40.8			G5
FVH (80°-90°)	2517.2	3.8			G5
BL (0°-30°)	2578.2	3.9	B4/5000		
BM (30°-60°)	4380.2	6.6	B3/5000		
BH (60°-80°)	2012.0	3.0	B3/2500		G3/2500
BVH (80°-90°)	182.8	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-G5**  
 Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3
2.5°	12122.0	12124.3	12122.0	12103.2	12058.7	12021.2	11990.8	11946.2	11847.8	11772.8	11660.3
5°	12236.8	12222.7	12213.4	12178.2	12107.9	12065.7	12007.2	11922.8	11761.1	11611.1	11428.4
7.5°	12182.9	12166.5	12145.4	12103.2	12023.6	11988.4	11906.4	11796.3	11601.8	11404.9	11142.5
10°	12016.5	12011.8	12002.5	11993.1	11925.1	11897.0	11822.0	11704.9	11512.7	11273.7	10966.7
12.5°	11831.4	11843.1	11880.6	11929.8	11899.4	11885.3	11838.4	11758.8	11561.9	11304.2	10933.9
15°	11714.2	11747.0	11847.8	11976.7	12002.5	11997.8	11986.1	11934.5	11726.0	11440.1	11008.9
17.5°	11674.4	11728.3	11920.5	12133.7	12208.7	12225.1	12229.8	12140.7	11908.7	11606.4	11086.2
20°	11747.0	11815.0	12096.2	12389.1	12508.6	12518.0	12496.9	12342.2	12082.1	11749.4	11128.4
22.5°	11967.3	12028.2	12379.7	12710.2	12846.1	12860.1	12796.9	12562.5	12264.9	11918.1	11187.0
25°	12391.5	12466.4	12817.9	13148.4	13218.7	13221.0	13129.6	12839.0	12503.9	12154.8	11313.5
27.5°	12944.5	13019.5	13335.8	13659.2	13621.7	13600.6	13476.4	13185.8	12815.6	12480.5	11538.5
30°	13560.8	13642.8	13942.7	14172.4	14083.3	14041.2	13940.4	13565.5	13249.1	12925.7	11883.0
32.5°	14198.2	14273.1	14535.6	14692.6	14580.1	14561.4	14409.1	14066.9	13813.9	13605.3	12440.7
35°	14851.9	14905.8	15163.6	15252.6	15102.7	15098.0	15055.8	14741.8	14582.5	14680.9	13251.5
37.5°	15519.8	15533.8	15754.1	15758.8	15714.3	15733.0	15777.6	15580.7	15625.2	15932.2	14305.9
40°	16115.0	16152.5	16311.8	16361.0	16438.4	16504.0	16726.6	16597.7	16942.2	17485.8	15618.2
42.5°	16555.5	16628.2	16883.6	17010.1	17260.9	17364.0	17678.0	17797.5	18491.1	19306.6	17178.9
45°	16928.1	17040.6	17450.7	17710.8	18134.9	18315.4	18765.3	19166.0	20241.6	21282.0	18821.5
47.5°	17331.2	17474.1	17987.3	18484.1	19060.5	19264.4	20082.2	20682.1	22109.2	23269.1	20370.5
50°	17924.0	18034.2	18535.6	19316.0	20035.4	20297.8	21429.6	22289.6	24007.3	25162.5	21713.2
52.5°	18751.2	18709.0	19133.2	20227.5	21193.0	21516.3	22868.4	24000.3	25931.1	26875.5	22847.3
55°	19583.1	19512.8	19810.4	21181.2	22542.7	22882.5	24452.5	25717.9	27761.3	28417.4	23716.7
57.5°	20508.7	20375.1	20625.9	22256.8	24079.9	24485.3	26226.4	27543.3	29560.9	29664.0	24269.7
60°	21462.4	21282.0	21563.2	23590.2	26031.9	26509.9	28302.6	29324.3	31257.5	30662.3	24447.8
62.5°	22296.7	22170.1	22603.6	25078.2	28232.3	28757.2	30341.3	31217.7	32930.6	31077.1	23805.8
65°	23025.4	23046.5	23796.4	26751.3	30685.7	31245.8	32679.9	33551.6	34247.6	30831.0	22303.7
67.5°	23894.8	24014.3	25293.8	28954.0	33774.2	34388.2	36082.4	36096.5	34983.4	29387.5	19346.4
70°	25162.5	25408.6	27353.5	32009.7	38165.6	39009.2	40316.8	37591.5	33950.0	25474.2	15222.2
72.5°	26287.3	26746.6	29544.5	35505.9	43517.7	44157.5	42793.7	36729.1	29631.2	19091.0	9483.4
74°	25830.4	26399.8	29942.9	37228.3	45533.0	45840.0	41957.1	34212.4	24705.6	13221.0	5511.5
75°	24846.2	25464.8	29361.8	37211.9	45277.6	45106.5	39937.1	31337.2	20347.0	9017.1	3667.3
77.5°	20051.8	20705.5	24740.7	31892.5	37125.2	36963.5	30678.7	21021.9	8911.6	2957.3	1862.9
80°	11658.0	12157.1	15358.1	20253.3	25033.7	25326.6	20176.0	10402.0	3505.6	1661.4	1263.0
82.5°	5178.7	5523.2	7418.9	10338.7	15107.4	15484.6	10566.0	5450.6	2165.2	1010.0	759.2
85°	3397.8	3653.2	4503.9	4923.3	7194.0	7451.7	5171.7	4243.7	1429.4	555.4	557.7
87.5°	2444.1	2690.1	3346.3	2922.1	3301.7	3126.0	2814.3	3927.4	574.1	316.3	187.5
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°	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3	11721.3
2.5°	11611.1	11573.6	11489.3	11329.9	11240.9	11165.9	11041.7	10969.1	10936.3	10933.9	10948.0
5°	11322.9	11236.2	11018.3	10751.1	10537.9	10343.4	10102.0	9956.8	9853.6	9792.7	9809.1
7.5°	10987.8	10851.9	10509.8	10083.3	9741.2	9363.9	8991.3	8768.7	8595.3	8466.4	8489.8
10°	10758.2	10570.7	10071.6	9457.6	8888.2	8339.9	7826.7	7519.7	7276.0	7088.5	7102.6
12.5°	10680.8	10427.8	9736.5	8916.3	8117.2	7367.4	6697.2	6226.2	5975.5	5762.2	5778.6
15°	10692.6	10352.8	9455.3	8428.9	7423.6	6479.3	5666.1	5115.5	4775.7	4628.1	4630.4
17.5°	10701.9	10266.1	9160.0	7906.4	6737.0	5649.7	4766.3	4208.6	3887.6	3751.7	3754.0
20°	10671.5	10125.5	8794.5	7306.5	6020.0	4888.2	4032.8	3559.5	3315.8	3210.3	3210.3
22.5°	10631.6	9959.1	8382.0	6704.2	5312.3	4227.3	3507.9	3147.1	3006.5	2936.2	2933.8
25°	10650.4	9834.9	7960.2	6085.6	4660.9	3700.1	3158.8	2919.8	2826.0	2781.5	2779.2
27.5°	10751.1	9776.3	7571.3	5469.3	4091.4	3304.1	2924.5	2755.7	2694.8	2666.7	2666.7
30°	10933.9	9776.3	7165.9	4944.4	3618.1	3011.2	2744.0	2629.2	2587.0	2568.3	2568.3
32.5°	11252.6	9830.2	6774.5	4424.2	3240.8	2781.5	2594.1	2516.7	2483.9	2474.5	2474.5
35°	11800.9	10013.0	6392.6	3932.1	2936.2	2594.1	2451.1	2406.6	2383.2	2380.8	2387.8
37.5°	12571.9	10385.6	6034.0	3568.9	2720.6	2441.7	2331.6	2296.5	2282.4	2294.1	2303.5
40°	13542.0	10891.7	5708.3	3240.8	2556.6	2319.9	2221.5	2198.0	2191.0	2207.4	2221.5
42.5°	14713.7	11576.0	5441.2	3004.1	2430.0	2216.8	2127.7	2099.6	2092.6	2111.3	2130.1
45°	15981.4	12311.8	5253.7	2828.4	2331.6	2139.4	2045.7	2015.3	2001.2	2010.6	2031.7
47.5°	17134.3	13007.8	5178.7	2704.2	2237.9	2073.8	1973.1	1935.6	1912.1	1907.5	1923.9
50°	18106.8	13525.6	5213.9	2629.2	2162.9	2001.2	1902.8	1860.6	1825.4	1804.4	1816.1
52.5°	18814.5	13851.3	5246.7	2596.4	2104.3	1921.5	1825.4	1785.6	1738.7	1703.6	1703.6
55°	19327.7	13926.3	5174.0	2570.6	2059.8	1834.8	1738.7	1701.2	1654.4	1614.5	1609.9
57.5°	19529.2	13715.4	4904.6	2533.1	2029.3	1752.8	1647.4	1619.2	1579.4	1532.5	1530.2
60°	19257.4	13064.0	4384.3	2453.5	1989.5	1684.8	1556.0	1537.2	1518.5	1473.9	1471.6
62.5°	18165.4	11634.6	3711.8	2291.8	1909.8	1612.2	1471.6	1481.0	1483.3	1452.9	1448.2
65°	16185.3	9670.9	3055.7	2080.9	1790.3	1525.5	1384.9	1429.4	1455.2	1450.5	1443.5
67.5°	13307.7	7526.7	2589.4	1858.3	1633.3	1406.0	1291.2	1342.7	1363.8	1380.2	1375.5
70°	9877.1	5307.6	2141.8	1623.9	1443.5	1265.4	1169.3	1195.1	1181.0	1199.8	1206.8
72.5°	5506.8	3184.6	1745.8	1389.6	1246.6	1101.4	1033.4	1028.7	998.3	998.3	998.3
74°	3304.1	2336.3	1534.9	1244.3	1127.1	993.6	935.0	913.9	885.8	888.1	885.8
75°	2657.3	2008.2	1408.3	1148.2	1042.8	930.3	871.7	843.6	822.5	822.5	820.2
77.5°	1677.8	1525.5	1134.2	913.9	834.2	766.3	726.4	688.9	688.9	686.6	684.2
80°	1267.7	1213.8	883.4	691.3	639.7	588.2	562.4	546.0	546.0	553.0	550.7
82.5°	869.4	913.9	621.0	482.7	456.9	419.5	414.8	417.1	410.1	400.7	398.4
85°	635.0	686.6	419.5	304.6	278.9	255.4	274.2	283.5	271.8	250.7	241.4
87.5°	243.7	449.9	225.0	126.5	117.2	100.8	117.2	121.9	131.2	103.1	105.4
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)