

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: P319644

Luminaire Tested: **GAN-SA0B-730-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319644  
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-SA0B-730-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 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: 51516 lumens  
Efficiency: N/A  
Efficacy: 122.9 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

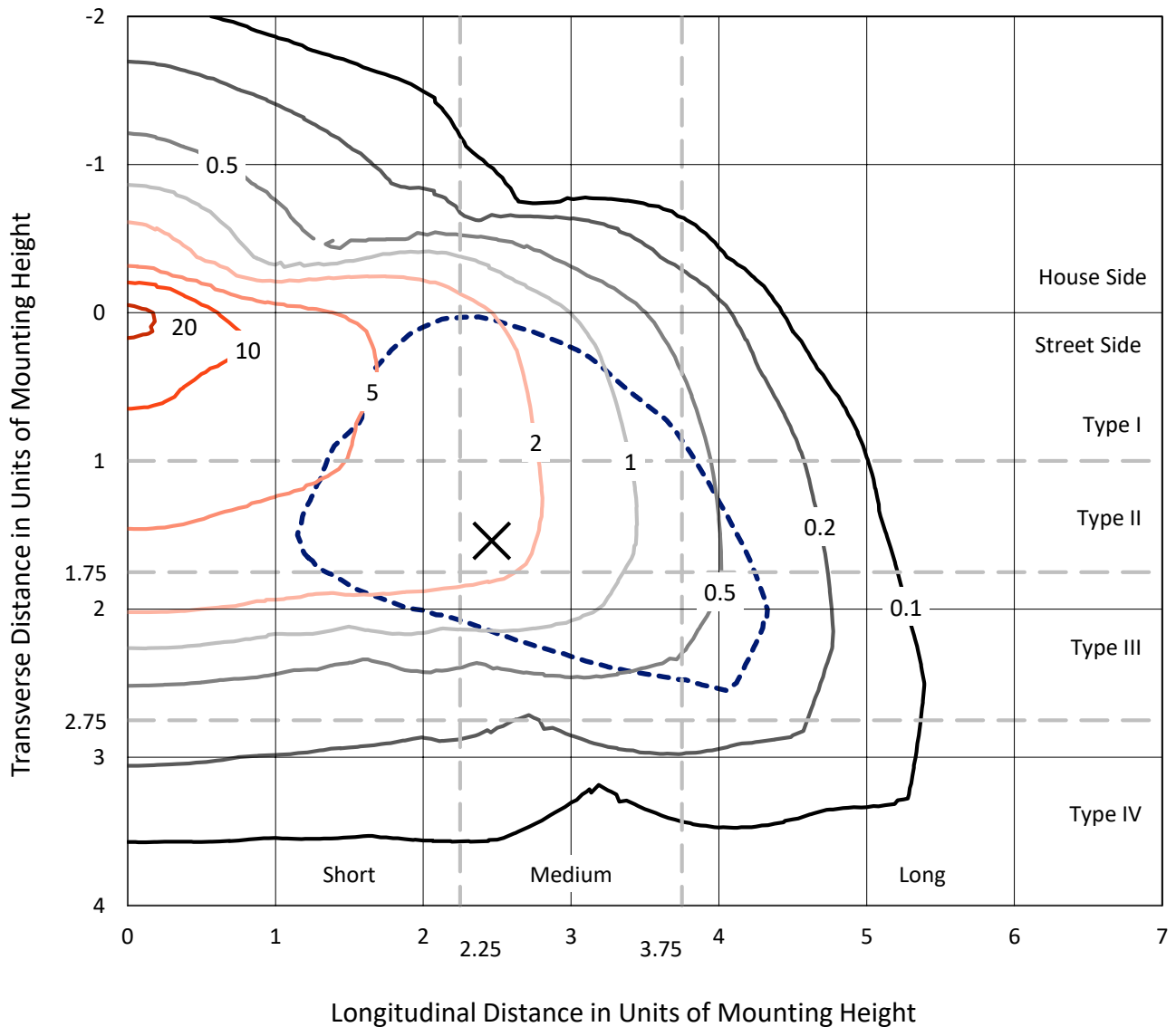
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

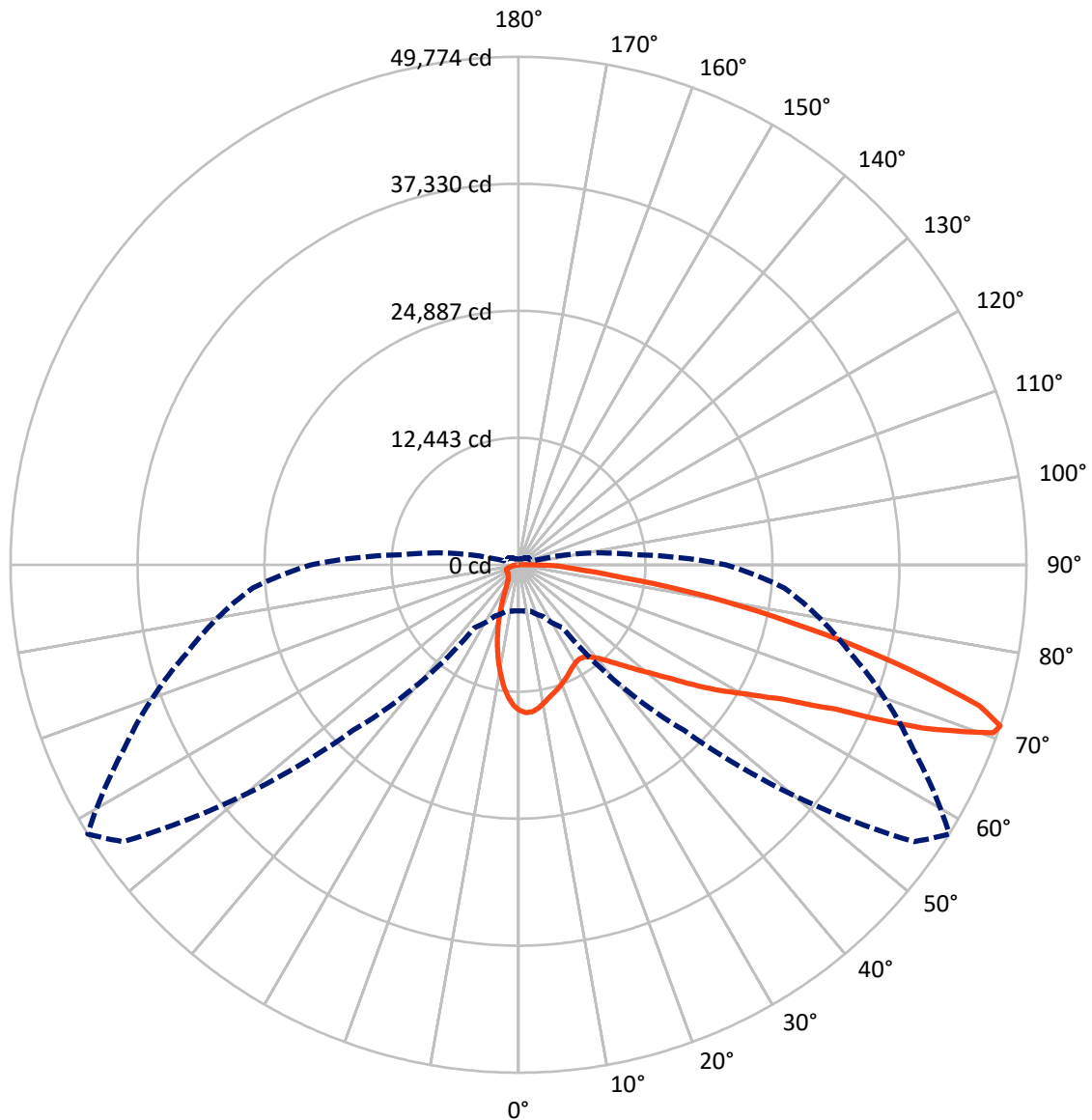
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.8 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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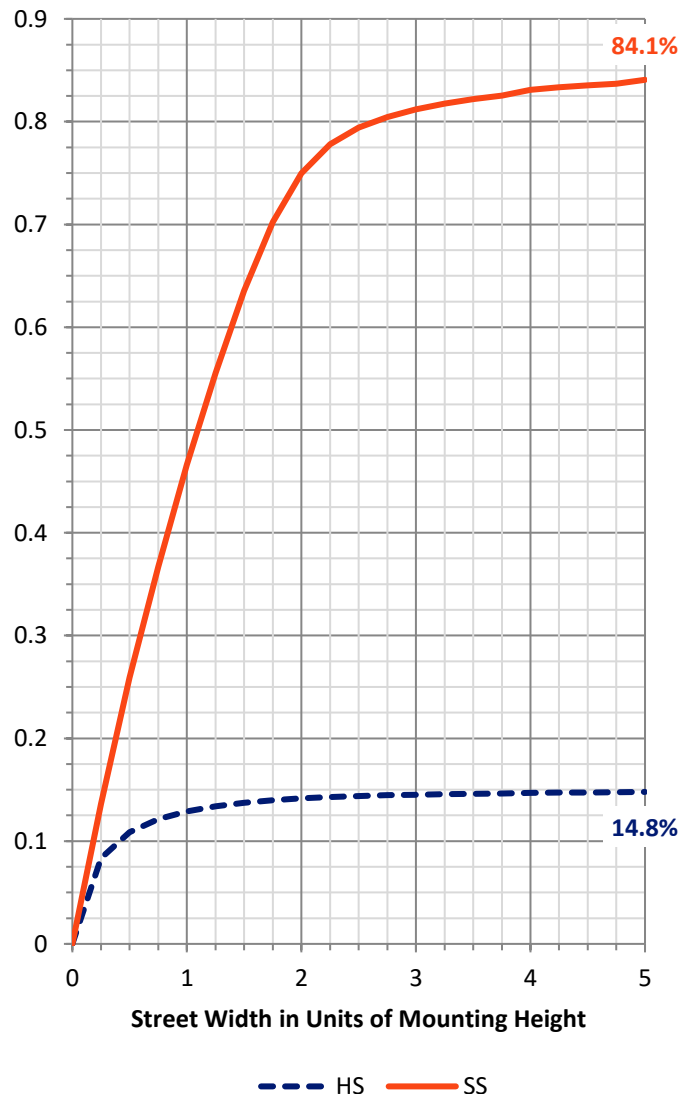
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	7702.0	0.0	7702.0
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	43814.0	0.0	43814.0
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	51516.0	0.0	51516.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1231.4	2.4
10°-20°	2738.1	5.3
20°-30°	3479.8	6.8
30°-40°	4432.6	8.6
40°-50°	6285.6	12.2
50°-60°	9727.3	18.9
60°-70°	13242.4	25.7
70°-80°	8834.2	17.1
80°-90°	1544.5	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°	51516.0	100.0
0°-180°	51516.0	100.0

**Coefficient of Utilization**

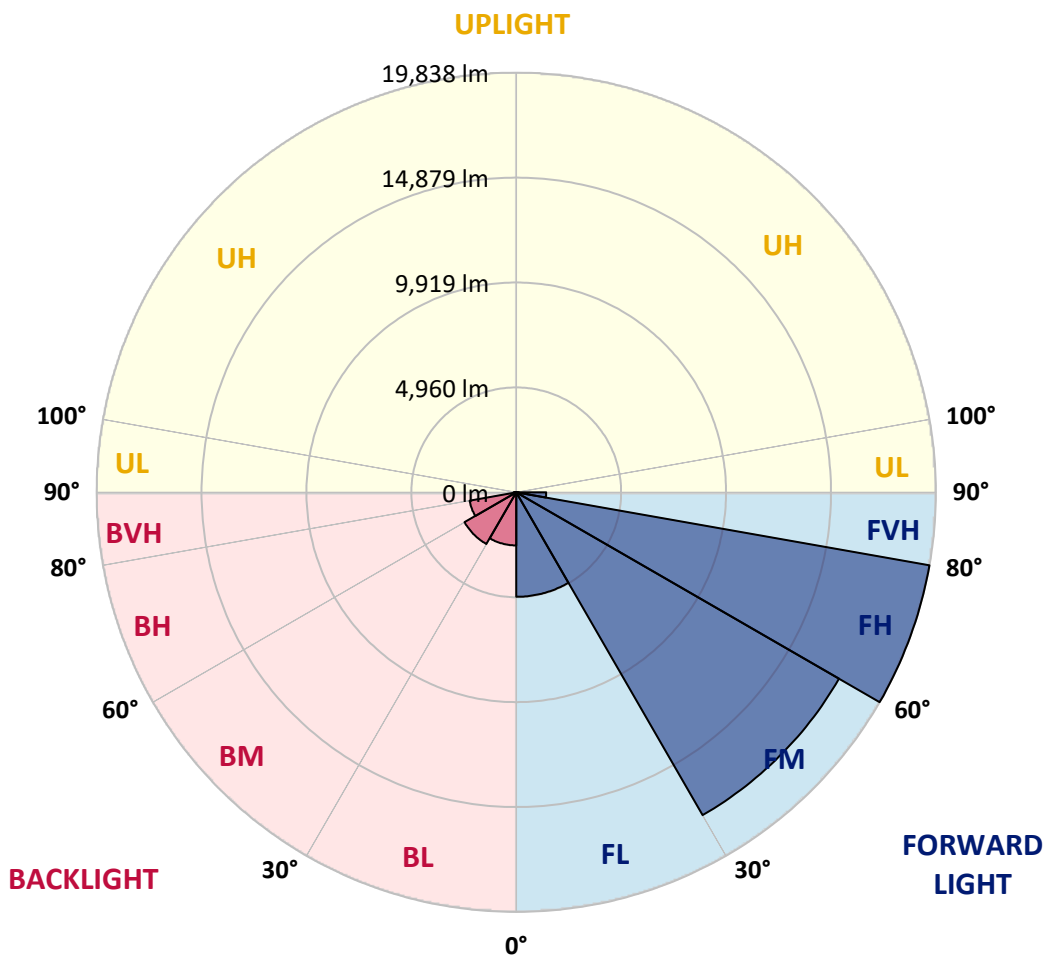


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4938.7	9.6			
FM (30°-60°)	17621.0	34.2			
FH (60°-80°)	19838.2	38.5			G5
FVH (80°-90°)	1416.2	2.7			G5
BL (0°-30°)	2510.6	4.9	B4/5000		
BM (30°-60°)	2824.5	5.5	B3/5000		
BH (60°-80°)	2238.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	128.3	0.2			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°	58°	65°	75°	85°
0°	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4
2.5°	14652.0	14632.3	14639.5	14625.1	14591.0	14556.9	14506.7	14515.6	14445.6	14341.6	14212.4
5°	14375.7	14368.5	14422.3	14452.8	14477.9	14458.2	14443.9	14461.8	14359.5	14216.0	13991.6
7.5°	13796.0	13717.1	13785.3	13887.6	13984.5	14058.0	14154.9	14167.5	14102.9	13952.2	13657.9
10°	12972.4	12897.0	12997.5	13157.2	13351.0	13526.9	13722.5	13758.4	13770.9	13634.5	13277.4
12.5°	12118.2	12060.8	12161.3	12385.6	12706.8	12977.8	13290.0	13343.8	13455.1	13363.6	12925.7
15°	11353.7	11332.2	11454.2	11675.0	12044.6	12459.1	12909.6	13008.3	13196.7	13166.2	12651.2
17.5°	10693.4	10688.0	10781.3	11012.8	11421.9	11945.9	12530.9	12697.8	12977.8	13013.6	12425.1
20°	10201.7	10190.9	10255.5	10426.0	10847.7	11441.7	12121.8	12351.5	12755.2	12880.9	12191.8
22.5°	9937.9	9936.1	9937.9	10018.6	10363.2	10915.9	11723.4	12003.3	12538.1	12775.0	11933.4
25°	9893.0	9887.6	9848.2	9839.2	10034.8	10476.2	11328.6	11637.3	12331.7	12701.4	11687.5
27.5°	10009.7	10016.8	9964.8	9880.5	9919.9	10187.3	10985.9	11316.1	12166.6	12687.0	11517.0
30°	10251.9	10248.3	10203.5	10115.5	10038.4	10079.7	10741.8	11072.0	12055.4	12749.9	11400.4
32.5°	10519.3	10539.0	10530.1	10481.6	10366.8	10201.7	10668.2	10991.3	12023.1	12900.6	11350.2
35°	10840.5	10862.0	10926.7	10964.3	10829.7	10564.2	10826.2	11106.1	12116.4	13184.1	11430.9
37.5°	11145.6	11201.2	11382.5	11542.2	11427.3	11131.2	11246.1	11445.3	12405.3	13630.9	11648.0
40°	11497.3	11545.8	11841.8	12181.0	12163.1	11856.2	11922.6	12055.4	12914.9	14271.6	12041.0
42.5°	11843.6	11940.5	12369.4	12850.3	12988.5	12717.6	12823.4	12893.4	13632.7	15120.4	12726.5
45°	12304.8	12408.9	13004.7	13584.3	13907.3	13754.8	13923.5	13950.4	14535.4	16276.0	13722.5
47.5°	13002.9	13121.3	13815.8	14424.1	14917.6	14933.7	15211.9	15201.1	15662.3	17598.6	14976.8
50°	14090.3	14260.8	14829.7	15398.5	15997.9	16331.7	16703.1	16651.1	17013.6	19007.2	16421.4
52.5°	15515.2	15594.1	16015.8	16435.7	17180.5	17928.8	18461.7	18415.1	18546.1	20455.4	18061.5
55°	16992.0	17051.2	17225.3	17455.0	18456.3	19676.6	20803.5	20730.0	20398.0	21959.2	19682.0
57.5°	18320.0	18440.2	18560.4	18655.5	19741.2	21503.4	23199.2	23204.6	22407.8	23581.4	21356.2
60°	18526.3	18632.2	19427.2	20177.2	21939.4	23940.3	25763.5	25709.7	24487.6	25341.8	23222.5
62.5°	16376.5	16615.2	17943.1	19938.6	24056.9	28397.8	29034.9	28968.5	26974.8	27511.3	25395.6
65°	11736.0	12006.9	13609.4	16608.0	23030.5	33309.3	34938.7	34045.1	30366.4	30179.7	27940.2
67.5°	6770.6	6835.2	7529.7	9937.9	17535.8	33565.9	43945.3	42694.5	35633.2	33207.0	29185.6
70°	5006.6	5004.8	5169.9	6115.6	9489.3	27394.7	48228.7	49350.3	41178.2	34203.0	27425.2
71°	4527.5	4532.9	4717.7	5566.5	7515.3	22930.0	47318.9	49773.8	42638.9	33711.3	26151.1
72.5°	3872.5	3890.5	4147.1	4992.3	6322.0	15813.0	43399.7	47232.8	43331.6	32498.2	24157.4
75°	2937.6	2978.9	3334.2	4208.1	5778.3	8019.6	31852.2	37716.6	38493.6	28676.0	17950.3
77.5°	2096.0	2142.6	2544.6	3538.7	5492.9	6043.8	21331.1	27511.3	28327.8	18377.4	8096.7
80°	1324.3	1380.0	1683.2	2815.6	5161.0	5738.8	13404.8	18492.2	15447.0	5880.5	2060.1
82.5°	777.0	820.1	1044.4	1839.4	4215.3	5527.0	7886.8	10250.1	6011.5	1776.5	936.7
85°	450.4	470.2	651.4	1171.8	3061.4	5216.6	5794.4	5729.8	2609.2	868.5	443.2
87.5°	210.0	233.3	385.8	611.9	1699.4	3781.0	4579.5	3956.9	1622.2	407.3	208.2
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°	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4	14273.4
2.5°	14149.6	14119.0	13991.6	13878.6	13760.2	13605.8	13435.3	13413.8	13309.7	13329.5	13293.6
5°	13869.6	13792.5	13485.6	13207.4	12879.1	12584.8	12265.3	12118.2	11906.4	11892.1	11838.3
7.5°	13469.4	13325.9	12850.3	12322.8	11795.2	11292.7	10795.7	10469.1	10135.3	9993.5	9981.0
10°	13019.0	12775.0	12075.1	11294.5	10533.7	9799.7	9089.1	8563.3	8089.6	7865.3	7856.3
12.5°	12591.9	12231.2	11271.2	10208.9	9168.1	8217.0	7242.6	6551.7	5957.7	5758.5	5674.2
15°	12229.5	11721.6	10488.8	9130.4	7867.0	6546.3	5437.3	4710.5	4161.4	3971.2	3935.3
17.5°	11877.7	11224.5	9686.7	8041.1	6514.0	5062.3	3951.5	3411.3	3118.8	3041.7	3039.9
20°	11527.8	10713.1	8848.6	6926.7	5205.8	3786.4	3038.1	2795.8	2697.1	2688.1	2673.8
22.5°	11131.2	10171.2	7967.5	5808.8	4062.7	2977.1	2582.3	2485.4	2472.8	2505.1	2505.1
25°	10759.8	9632.8	7073.9	4714.1	3160.1	2483.6	2305.9	2286.2	2320.3	2377.7	2383.1
27.5°	10413.4	9114.2	6201.8	3741.5	2532.0	2187.5	2113.9	2137.2	2198.3	2264.6	2266.4
30°	10128.1	8624.3	5354.8	2948.3	2139.0	1966.8	1954.2	2000.9	2067.3	2119.3	2131.9
32.5°	9907.4	8206.2	4536.5	2370.5	1882.4	1801.7	1812.4	1851.9	1893.2	1921.9	1941.6
35°	9805.1	7847.3	3781.0	1999.1	1719.1	1674.3	1688.6	1710.1	1728.1	1749.6	1765.8
37.5°	9823.0	7569.2	3106.3	1767.6	1609.7	1586.3	1586.3	1586.3	1586.3	1597.1	1598.9
40°	9989.9	7409.5	2557.1	1620.4	1536.1	1511.0	1491.2	1473.3	1458.9	1466.1	1462.5
42.5°	10417.0	7395.1	2155.2	1527.1	1476.9	1435.6	1396.1	1371.0	1353.0	1360.2	1363.8
45°	11142.0	7574.5	1884.2	1460.7	1421.2	1358.4	1308.2	1281.3	1268.7	1292.0	1295.6
47.5°	12080.5	7965.7	1719.1	1412.3	1369.2	1286.6	1232.8	1207.7	1211.3	1245.4	1254.3
50°	13290.0	8601.0	1640.2	1381.8	1333.3	1225.6	1170.0	1148.5	1159.2	1207.7	1218.5
52.5°	14617.9	9516.2	1649.1	1372.8	1310.0	1180.8	1121.6	1096.4	1114.4	1159.2	1168.2
55°	16150.4	10616.2	1798.1	1385.3	1275.9	1152.1	1082.1	1039.0	1053.4	1094.6	1101.8
57.5°	17853.4	11875.9	2097.8	1381.8	1232.8	1125.1	1040.8	976.2	987.0	1012.1	1019.3
60°	19626.3	13397.7	2562.5	1392.5	1213.1	1092.8	985.2	904.4	900.8	922.4	926.0
62.5°	21754.6	15158.1	3093.7	1399.7	1225.6	1051.6	911.6	832.6	821.9	827.3	830.8
65°	23947.5	16432.1	2894.5	1371.0	1265.1	1017.5	847.0	762.7	742.9	739.3	741.1
67.5°	24015.7	15066.5	2029.6	1313.6	1281.3	999.5	798.5	703.4	671.1	658.6	656.8
70°	21537.5	12240.2	1580.9	1252.6	1216.7	970.8	753.7	655.0	606.5	586.8	585.0
71°	20328.0	11267.6	1498.4	1222.0	1168.2	942.1	733.9	633.5	583.2	561.7	558.1
72.5°	18431.2	10101.2	1397.9	1173.6	1074.9	868.5	696.3	602.9	550.9	525.8	520.4
75°	13227.2	6605.5	1200.5	1046.2	890.1	692.7	610.1	541.9	497.1	466.6	463.0
77.5°	5096.4	2628.9	908.0	870.3	681.9	541.9	502.5	468.4	436.1	405.6	403.8
80°	1575.6	1175.4	662.2	655.0	493.5	403.8	391.2	382.2	369.7	337.4	330.2
82.5°	841.6	674.7	455.8	423.5	323.0	269.2	283.5	287.1	288.9	254.8	251.2
85°	402.0	357.1	256.6	240.5	188.4	150.7	174.1	188.4	190.2	156.1	145.4
87.5°	192.0	186.6	120.2	91.5	70.0	50.2	61.0	75.4	82.5	59.2	52.0
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)