

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: P319674

Luminaire Tested: **GAN-SA0A-740-U-SL3**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319674  
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-SA0A-740-U-SL3  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 4000K, 615mA 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: 46130 lumens  
Efficiency: N/A  
Efficacy: 142.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

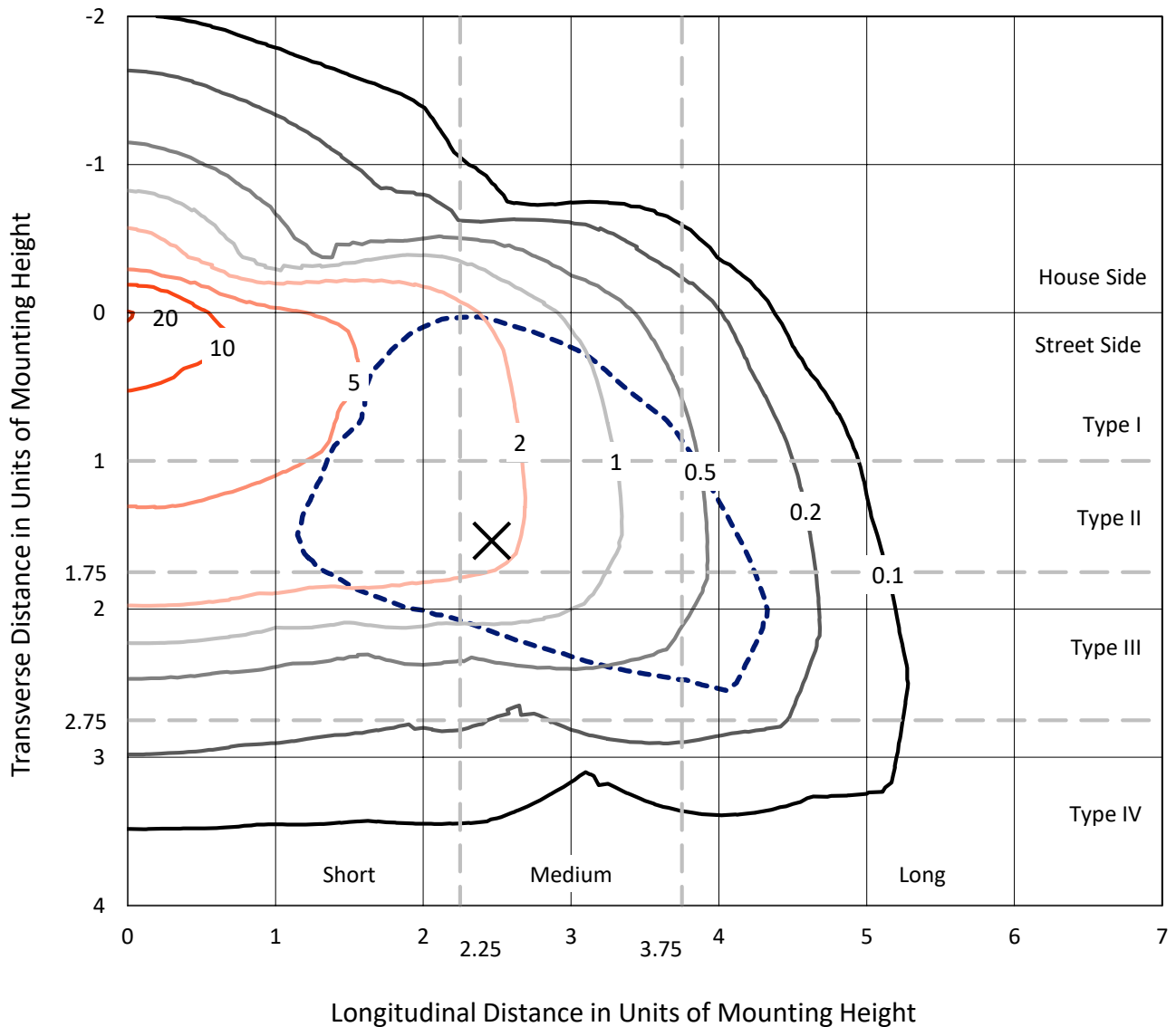
Input Watts (W): 323  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

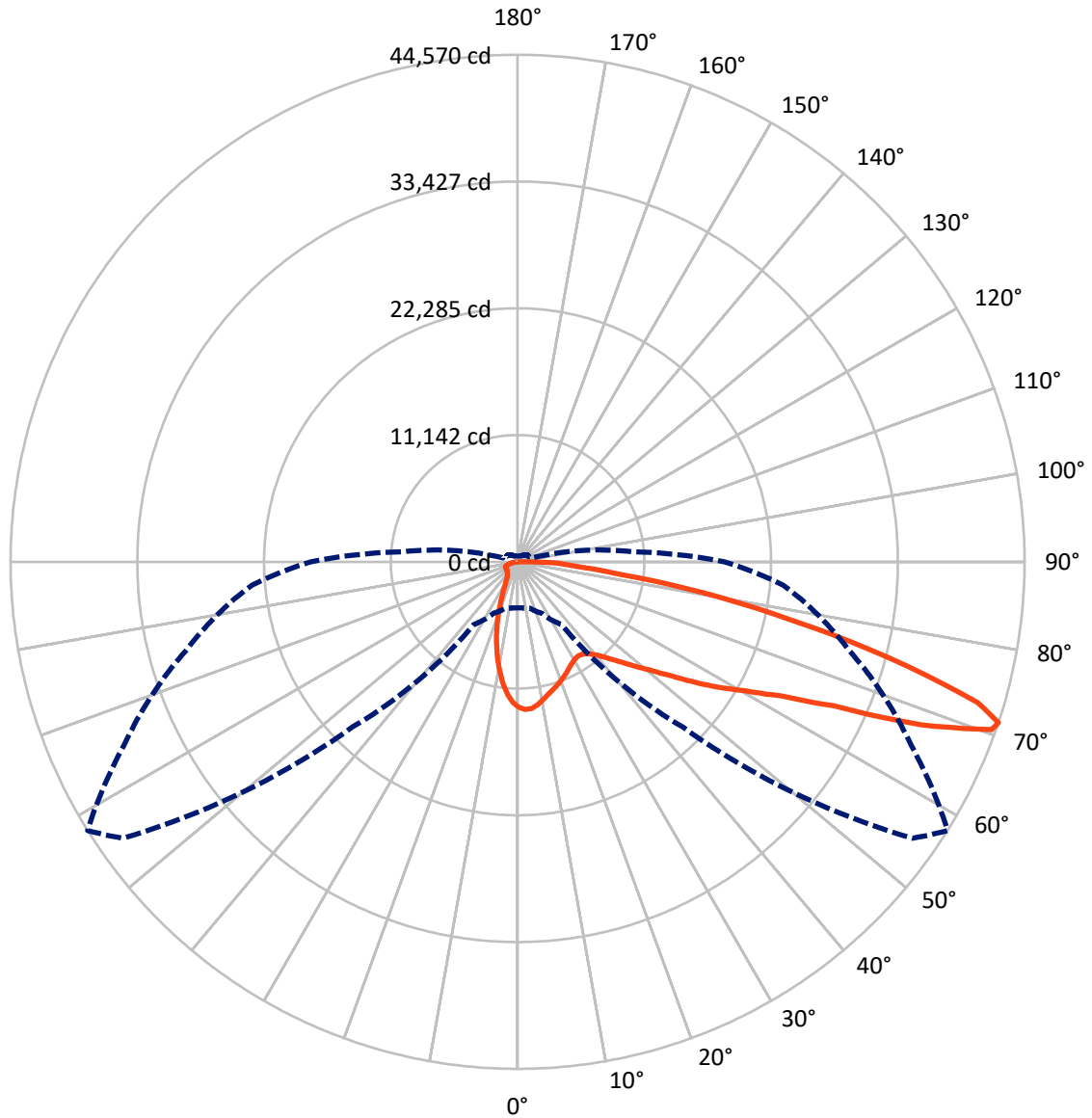
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.4 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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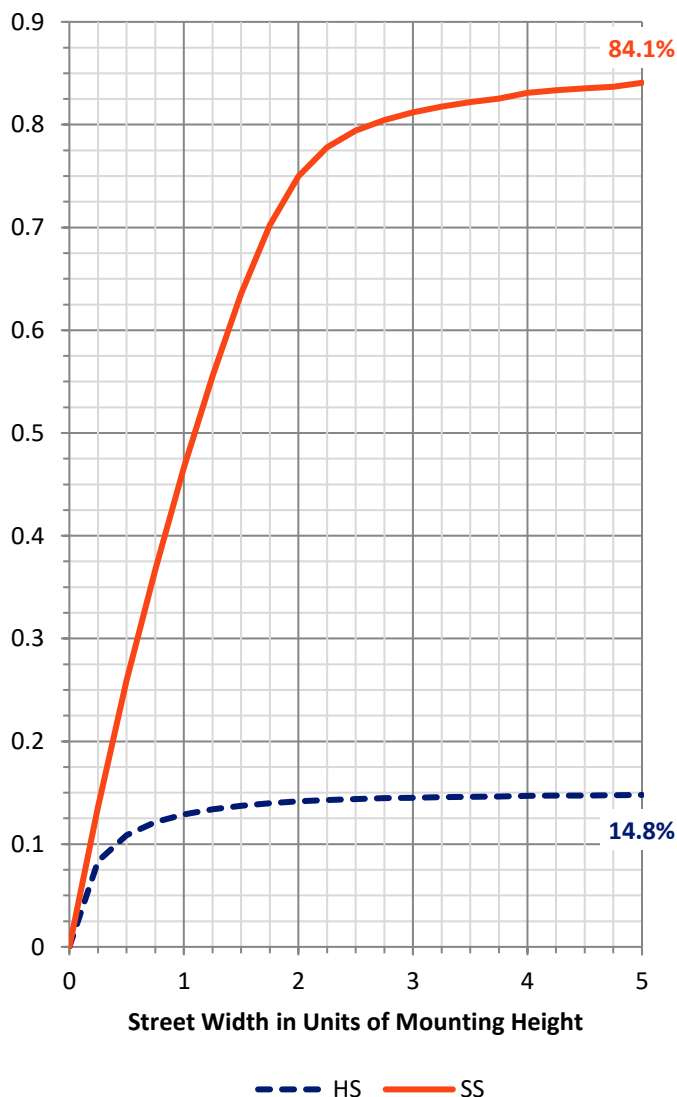
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6896.7	0.0	6896.7
	% Fixture	15.0	0.0	15.0
<b>Street Side</b>	Lumens	39233.2	0.0	39233.2
	% Fixture	85.0	0.0	85.0
<b>Total</b>	Lumens	46130.0	0.0	46130.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1102.6	2.4
10°-20°	2451.8	5.3
20°-30°	3116.0	6.8
30°-40°	3969.2	8.6
40°-50°	5628.5	12.2
50°-60°	8710.3	18.9
60°-70°	11857.9	25.7
70°-80°	7910.6	17.1
80°-90°	1383.0	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°	46130.0	100.0
0°-180°	46130.0	100.0

**Coefficient of Utilization**

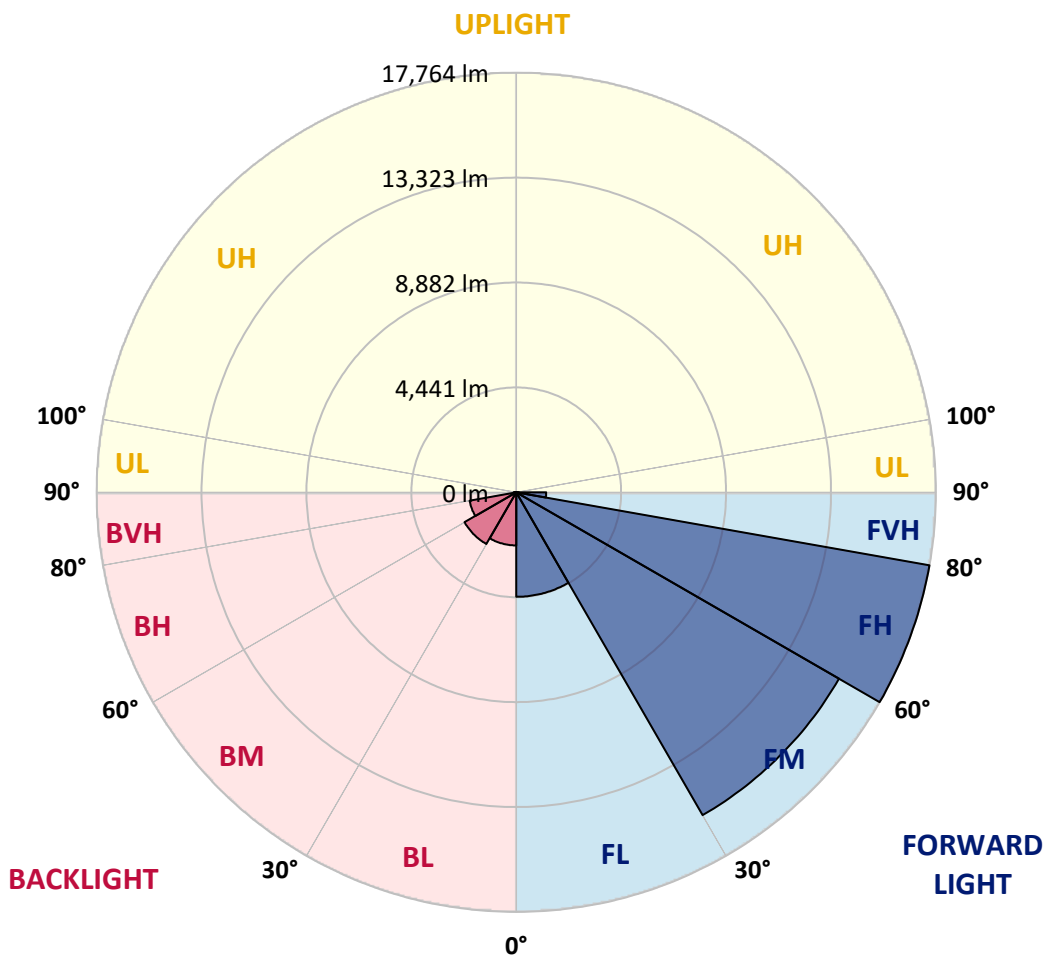


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4422.3	9.6			
FM (30°-60°)	15778.7	34.2			
FH (60°-80°)	17764.1	38.5			G5
FVH (80°-90°)	1268.1	2.7			G5
BL (0°-30°)	2248.1	4.9	B3/2500		
BM (30°-60°)	2529.2	5.5	B3/5000		
BH (60°-80°)	2004.5	4.3	B3/2500		G3/2500
BVH (80°-90°)	114.9	0.2			G2/225
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°	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1
2.5°	13120.1	13102.5	13108.9	13096.0	13065.5	13035.0	12990.0	12998.0	12935.4	12842.2	12726.5
5°	12872.7	12866.3	12914.5	12941.8	12964.3	12946.6	12933.7	12949.8	12858.2	12729.7	12528.8
7.5°	12353.7	12283.0	12344.0	12435.6	12522.4	12588.3	12675.0	12686.3	12628.4	12493.5	12229.9
10°	11616.1	11548.6	11638.6	11781.6	11955.2	12112.6	12287.8	12319.9	12331.2	12209.0	11889.3
12.5°	10851.2	10799.8	10889.8	11090.7	11378.3	11620.9	11900.5	11948.7	12048.4	11966.4	11574.3
15°	10166.7	10147.4	10256.7	10454.3	10785.4	11156.5	11559.9	11648.2	11817.0	11789.7	11328.5
17.5°	9575.4	9570.6	9654.1	9861.4	10227.8	10697.0	11220.8	11370.3	11620.9	11653.1	11126.0
20°	9135.1	9125.5	9183.3	9336.0	9713.6	10245.4	10854.4	11060.1	11421.7	11534.2	10917.1
22.5°	8898.9	8897.3	8898.9	8971.2	9279.7	9774.6	10497.7	10748.4	11227.2	11439.4	10685.7
25°	8858.7	8853.9	8818.5	8810.5	8985.7	9380.9	10144.2	10420.6	11042.5	11373.5	10465.6
27.5°	8963.2	8969.6	8923.0	8847.5	8882.8	9122.2	9837.3	10133.0	10894.6	11360.6	10312.9
30°	9180.1	9176.9	9136.7	9058.0	8988.9	9025.8	9618.8	9914.4	10795.0	11416.9	10208.5
32.5°	9419.5	9437.2	9429.1	9385.8	9282.9	9135.1	9552.9	9842.1	10766.1	11551.8	10163.5
35°	9707.1	9726.4	9784.3	9818.0	9697.5	9459.7	9694.3	9945.0	10849.6	11805.7	10235.8
37.5°	9980.3	10030.1	10192.4	10335.4	10232.6	9967.5	10070.3	10248.7	11108.3	12205.8	10430.2
40°	10295.3	10338.6	10603.8	10907.5	10891.4	10616.6	10676.1	10795.0	11564.7	12779.5	10782.1
42.5°	10605.4	10692.2	11076.2	11506.8	11630.6	11387.9	11482.7	11545.4	12207.4	13539.5	11396.0
45°	11018.4	11111.5	11645.0	12164.1	12453.3	12316.7	12467.8	12491.9	13015.7	14574.4	12287.8
47.5°	11643.4	11749.5	12371.3	12916.1	13358.0	13372.4	13621.5	13611.8	14024.8	15758.6	13411.0
50°	12617.2	12769.8	13279.2	13788.6	14325.3	14624.2	14956.8	14910.2	15234.8	17020.0	14704.5
52.5°	13893.1	13963.8	14341.4	14717.4	15384.2	16054.3	16531.5	16489.8	16607.1	18316.8	16173.2
55°	15215.5	15268.5	15424.4	15630.1	16526.7	17619.4	18628.5	18562.6	18265.4	19663.3	17624.2
57.5°	16404.6	16512.3	16619.9	16705.1	17677.2	19255.2	20773.7	20778.5	20065.1	21116.0	19123.4
60°	16589.4	16684.2	17396.0	18067.7	19645.7	21437.3	23069.9	23021.7	21927.4	22692.3	20794.6
62.5°	14664.4	14878.1	16067.2	17854.0	21541.8	25428.8	25999.3	25939.8	24154.6	24635.0	22740.5
65°	10509.0	10751.6	12186.5	14871.6	20622.6	29826.8	31285.9	30485.7	27191.6	27024.4	25019.1
67.5°	6062.7	6120.6	6742.5	8898.9	15702.4	30056.6	39350.8	38230.8	31907.7	29735.2	26134.2
70°	4483.2	4481.6	4629.4	5476.2	8497.2	24530.6	43186.4	44190.7	36873.0	30627.1	24557.9
71°	4054.1	4059.0	4224.5	4984.5	6729.6	20532.7	42371.7	44569.9	38181.0	30186.8	23417.0
72.5°	3467.6	3483.7	3713.5	4470.3	5661.0	14159.8	38862.3	42294.6	38801.2	29100.5	21631.8
75°	2630.5	2667.4	2985.6	3768.1	5174.1	7181.1	28522.1	33773.3	34469.1	25677.9	16073.6
77.5°	1876.8	1918.6	2278.6	3168.8	4918.6	5412.0	19100.9	24635.0	25366.1	16456.0	7250.2
80°	1185.9	1235.7	1507.2	2521.2	4621.4	5138.8	12003.4	16558.9	13832.0	5265.7	1844.7
82.5°	695.8	734.3	935.2	1647.0	3774.6	4949.2	7062.2	9178.5	5383.0	1590.8	838.8
85°	403.3	421.0	583.3	1049.3	2741.3	4671.2	5188.6	5130.8	2336.4	777.7	396.9
87.5°	188.0	208.9	345.5	547.9	1521.7	3385.7	4100.7	3543.2	1452.6	364.8	186.4
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°	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1	12781.1
2.5°	12670.2	12642.9	12528.8	12427.6	12321.5	12183.3	12030.7	12011.4	11918.2	11935.9	11903.7
5°	12419.5	12350.5	12075.7	11826.6	11532.6	11269.0	10983.0	10851.2	10661.6	10648.8	10600.6
7.5°	12061.2	11932.7	11506.8	11034.4	10562.0	10112.1	9667.0	9374.5	9075.6	8948.7	8937.4
10°	11657.9	11439.4	10812.7	10113.7	9432.4	8775.2	8138.8	7668.0	7243.8	7042.9	7034.9
12.5°	11275.5	10952.5	10092.8	9141.5	8209.5	7357.9	6485.4	5866.7	5334.8	5156.5	5080.9
15°	10950.9	10496.1	9392.2	8175.8	7044.5	5861.9	4868.8	4218.1	3726.3	3556.0	3523.9
17.5°	10635.9	10051.0	8673.9	7200.4	5833.0	4533.0	3538.3	3054.7	2792.8	2723.7	2722.0
20°	10322.6	9593.1	7923.5	6202.5	4661.5	3390.5	2720.4	2503.5	2415.1	2407.1	2394.2
22.5°	9967.5	9107.8	7134.5	5201.5	3638.0	2665.8	2312.3	2225.5	2214.3	2243.2	2243.2
25°	9634.8	8625.7	6334.3	4221.3	2829.7	2223.9	2064.8	2047.2	2077.7	2129.1	2133.9
27.5°	9324.7	8161.3	5553.4	3350.3	2267.3	1958.8	1892.9	1913.8	1968.4	2027.9	2029.5
30°	9069.2	7722.6	4794.9	2640.1	1915.4	1761.1	1749.9	1791.7	1851.1	1897.7	1909.0
32.5°	8871.6	7348.2	4062.2	2122.7	1685.6	1613.3	1622.9	1658.3	1695.3	1721.0	1738.6
35°	8780.0	7026.9	3385.7	1790.1	1539.4	1499.2	1512.1	1531.4	1547.4	1566.7	1581.2
37.5°	8796.0	6777.8	2781.5	1582.8	1441.4	1420.5	1420.5	1420.5	1420.5	1430.1	1431.7
40°	8945.5	6634.8	2289.8	1451.0	1375.5	1353.0	1335.3	1319.2	1306.4	1312.8	1309.6
42.5°	9327.9	6621.9	1929.9	1367.5	1322.5	1285.5	1250.1	1227.7	1211.6	1218.0	1221.2
45°	9977.1	6782.6	1687.2	1308.0	1272.6	1216.4	1171.4	1147.3	1136.1	1157.0	1160.2
47.5°	10817.5	7132.9	1539.4	1264.6	1226.0	1152.1	1103.9	1081.4	1084.6	1115.2	1123.2
50°	11900.5	7701.8	1468.7	1237.3	1193.9	1097.5	1047.7	1028.4	1038.0	1081.4	1091.1
52.5°	13089.6	8521.3	1476.7	1229.3	1173.0	1057.3	1004.3	981.8	997.9	1038.0	1046.1
55°	14461.9	9506.3	1610.1	1240.5	1142.5	1031.6	968.9	930.4	943.2	980.2	986.6
57.5°	15986.8	10634.3	1878.4	1237.3	1103.9	1007.5	932.0	874.1	883.8	906.3	912.7
60°	17574.4	11996.9	2294.6	1246.9	1086.2	978.6	882.2	809.9	806.7	825.9	829.1
62.5°	19480.2	13573.3	2770.3	1253.4	1097.5	941.6	816.3	745.6	735.9	740.8	744.0
65°	21443.8	14714.2	2591.9	1227.7	1132.8	911.1	758.4	682.9	665.2	662.0	663.6
67.5°	21504.8	13491.3	1817.4	1176.2	1147.3	895.0	715.1	629.9	601.0	589.7	588.1
70°	19285.7	10960.5	1415.7	1121.6	1089.5	869.3	674.9	586.5	543.1	525.4	523.8
71°	18202.7	10089.6	1341.7	1094.3	1046.1	843.6	657.2	567.2	522.2	503.0	499.7
72.5°	16504.2	9045.1	1251.8	1050.9	962.5	777.7	623.5	539.9	493.3	470.8	466.0
75°	11844.3	5914.9	1075.0	936.8	797.0	620.3	546.3	485.3	445.1	417.8	414.6
77.5°	4563.5	2354.1	813.1	779.3	610.6	485.3	449.9	419.4	390.5	363.2	361.5
80°	1410.8	1052.5	592.9	586.5	441.9	361.5	350.3	342.3	331.0	302.1	295.7
82.5°	753.6	604.2	408.1	379.2	289.2	241.0	253.9	257.1	258.7	228.2	225.0
85°	359.9	319.8	229.8	215.3	168.7	135.0	155.9	168.7	170.3	139.8	130.2
87.5°	171.9	167.1	107.7	82.0	62.7	45.0	54.6	67.5	73.9	53.0	46.6
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)