

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: P319411

Luminaire Tested: **GAN-SA7C-750-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319411  
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-750-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5000K, 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: 49010 lumens  
Efficiency: N/A  
Efficacy: 125.3 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

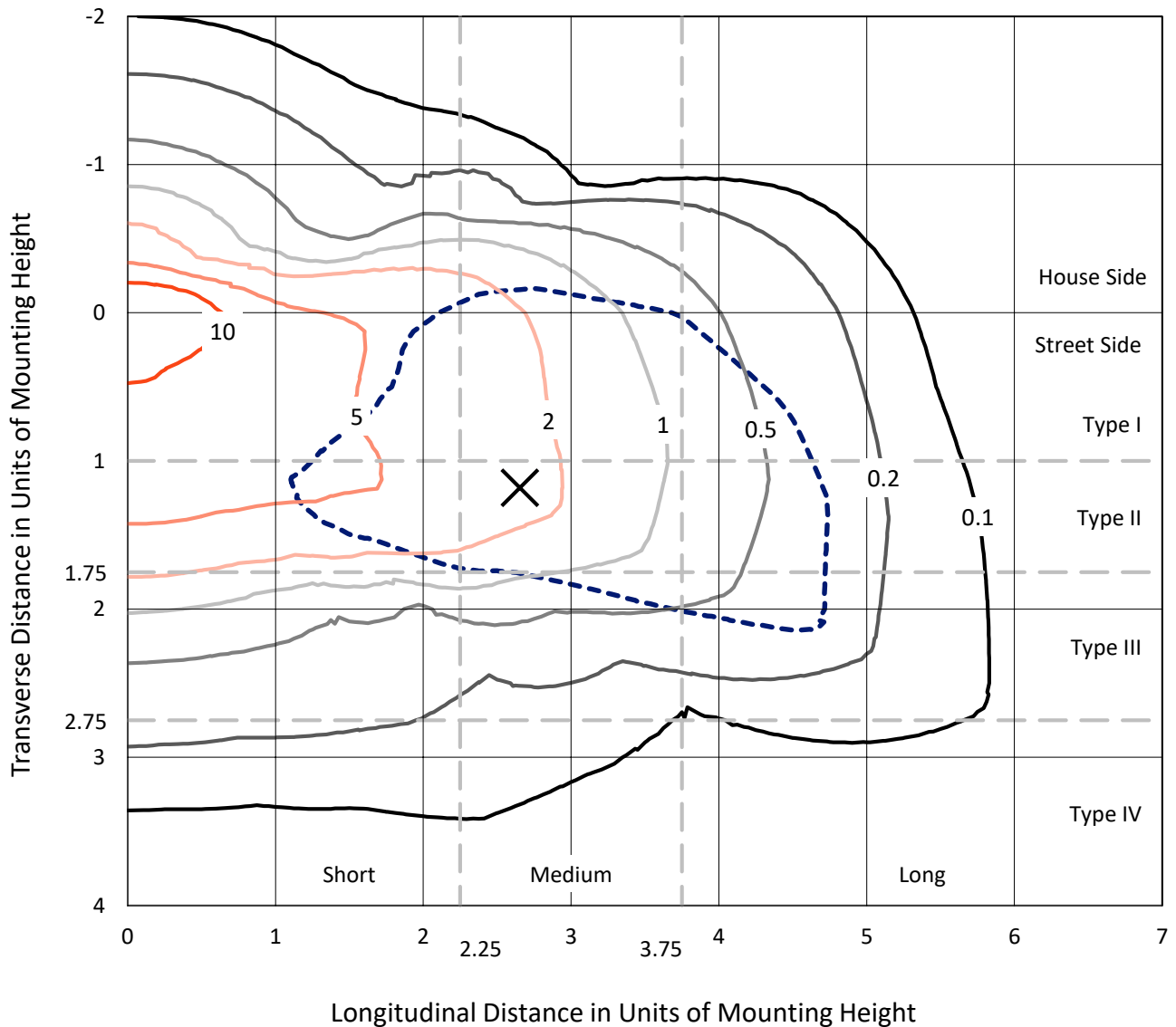
Input Watts (W): 391  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

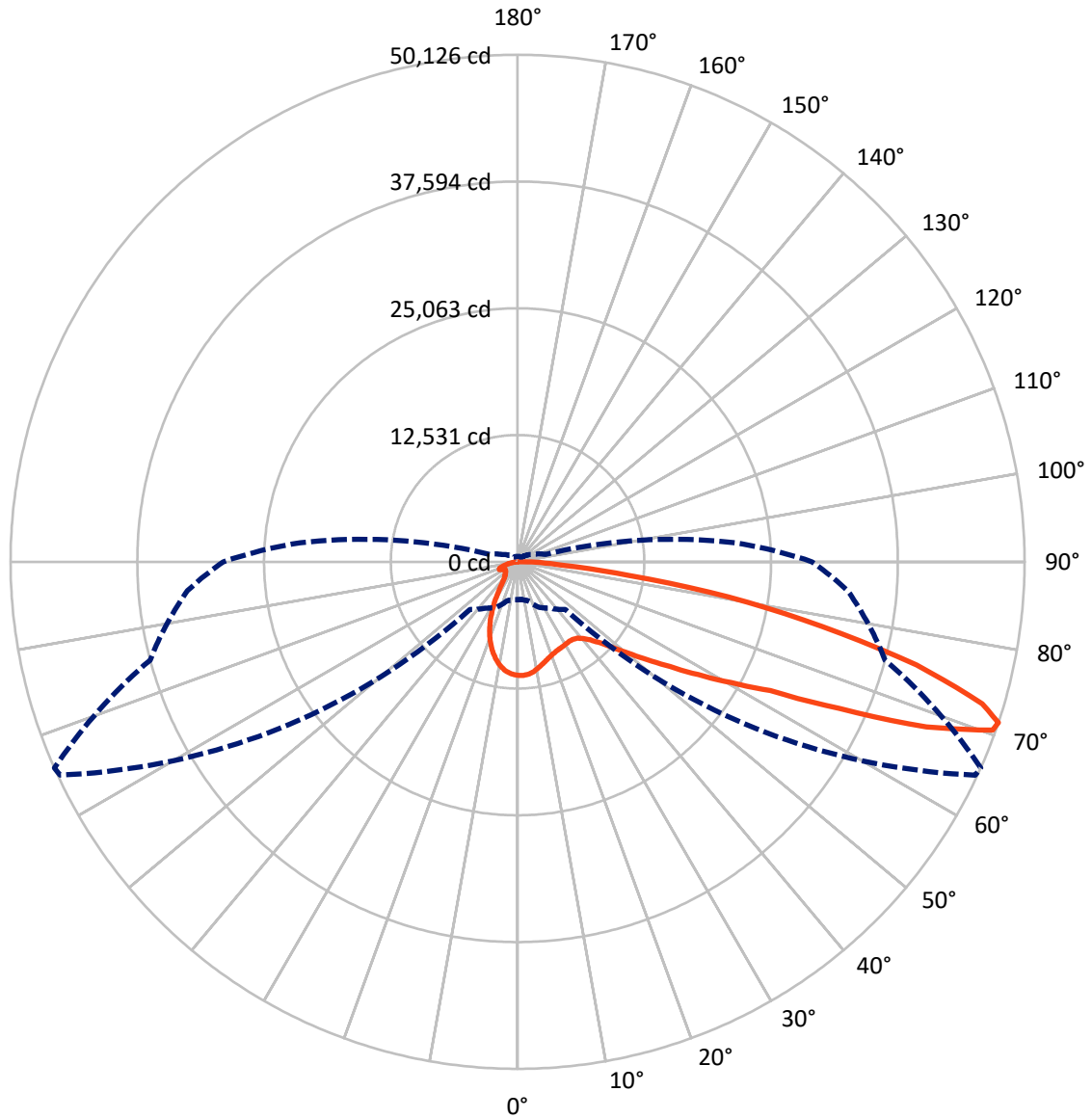
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18 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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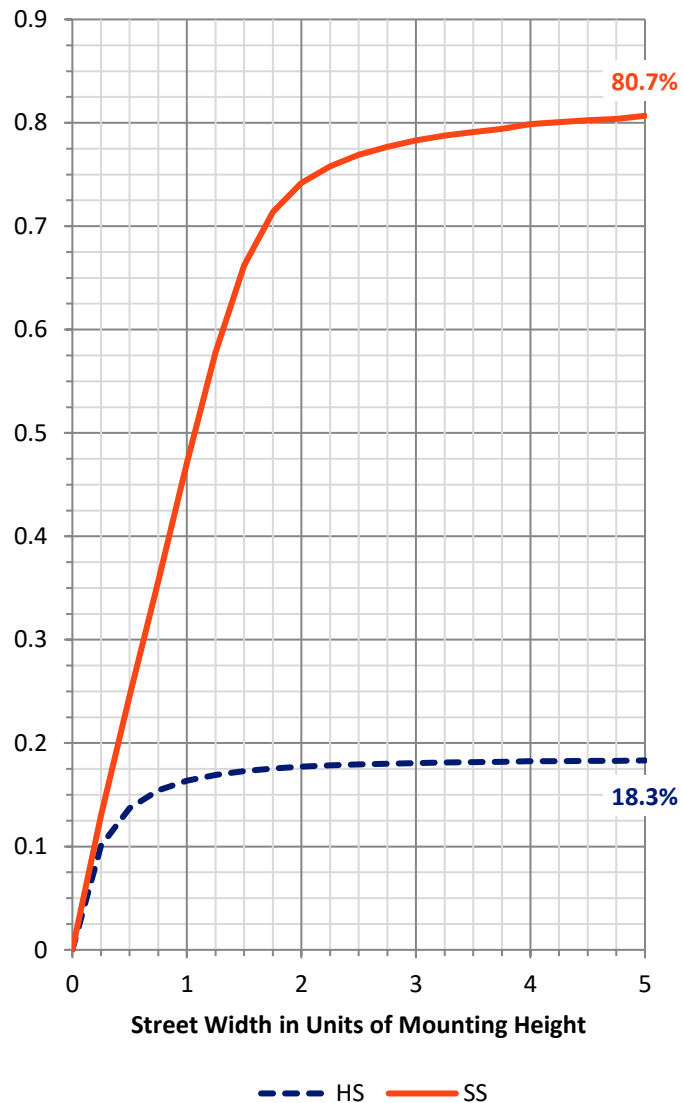
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	9082.9	0.0	9082.9
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	39927.1	0.0	39927.1
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	49010.0	0.0	49010.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	988.3	2.0
10°-20°	2370.3	4.8
20°-30°	3183.9	6.5
30°-40°	4188.4	8.5
40°-50°	6093.0	12.4
50°-60°	9517.8	19.4
60°-70°	11922.6	24.3
70°-80°	9094.3	18.6
80°-90°	1651.4	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°	49010.0	100.0
0°-180°	49010.0	100.0

**Coefficient of Utilization**

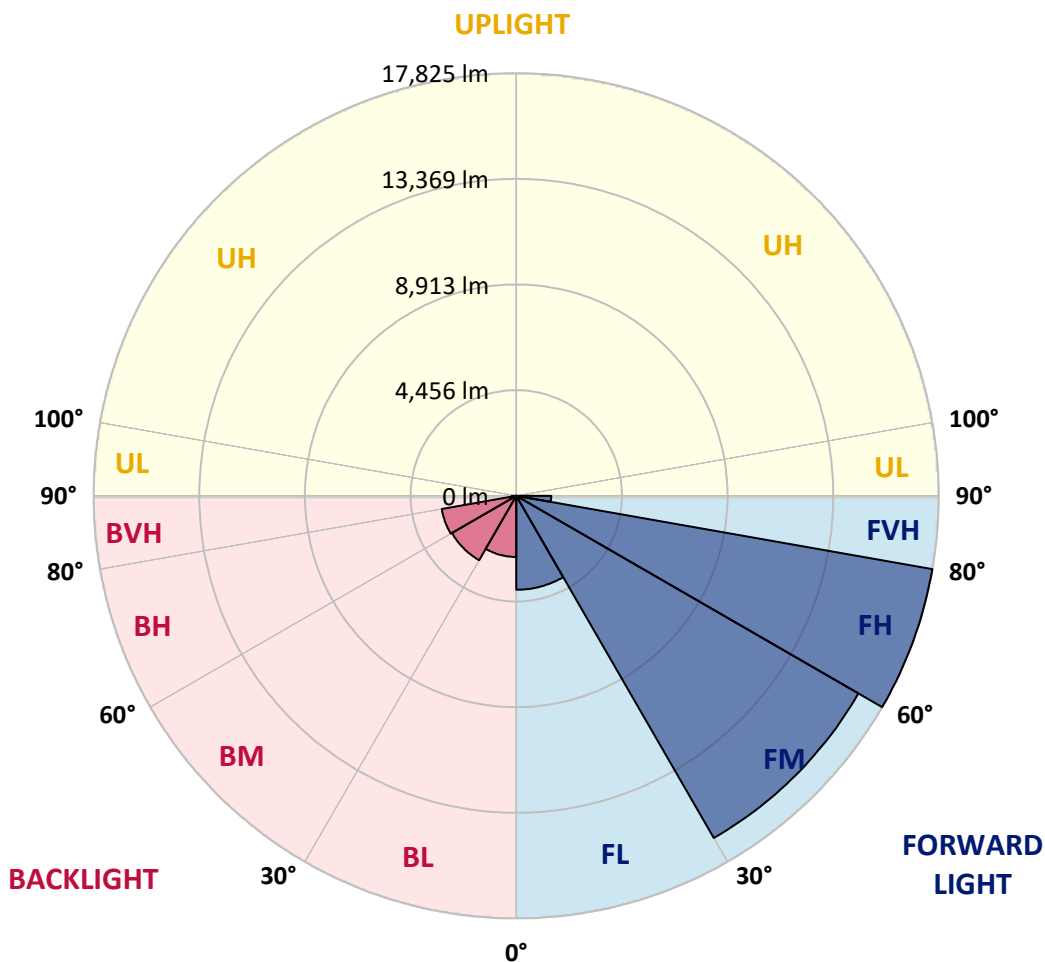


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3963.1	8.1			
FM (30°-60°)	16665.9	34.0			
FH (60°-80°)	17825.4	36.4			G5
FVH (80°-90°)	1472.7	3.0			G5
BL (0°-30°)	2579.3	5.3	B4/5000		
BM (30°-60°)	3133.3	6.4	B3/5000		
BH (60°-80°)	3191.5	6.5	B4/5000		G4/5000
BVH (80°-90°)	178.8	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°	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2
2.5°	11019.1	11002.2	11053.0	11105.4	11125.7	11159.6	11210.3	11239.1	11237.4	11242.5	11225.6
5°	10288.1	10266.1	10367.6	10450.6	10609.6	10789.0	11007.3	11162.9	11166.3	11254.3	11278.0
7.5°	9596.0	9580.8	9697.6	9831.2	10015.7	10289.8	10643.5	10978.5	10998.8	11237.4	11320.3
10°	9041.0	9037.6	9151.0	9296.5	9511.4	9817.7	10223.8	10714.5	10745.0	11156.2	11327.1
12.5°	8607.8	8614.6	8712.7	8878.6	9105.3	9425.1	9865.1	10418.4	10467.5	11027.6	11288.2
15°	8288.0	8315.1	8394.6	8562.1	8785.5	9110.4	9562.2	10144.3	10218.7	10883.7	11266.2
17.5°	8105.3	8135.7	8191.6	8330.3	8540.1	8853.2	9281.3	9919.2	9986.9	10773.8	11267.9
20°	8051.1	8076.5	8108.7	8193.3	8370.9	8655.2	9059.6	9716.2	9788.9	10685.8	11284.8
22.5°	8157.7	8176.3	8179.7	8173.0	8281.3	8513.1	8898.9	9567.3	9645.1	10628.2	11296.6
25°	8386.2	8411.5	8392.9	8330.3	8294.8	8436.9	8816.0	9469.1	9547.0	10585.9	11272.9
27.5°	8729.7	8733.1	8717.8	8636.6	8469.1	8445.4	8790.6	9411.6	9486.0	10536.9	11223.9
30°	9196.7	9218.7	9191.6	9081.6	8807.5	8580.8	8821.0	9355.8	9423.4	10474.2	11144.3
32.5°	9743.2	9797.4	9795.7	9680.6	9288.1	8883.7	8946.3	9321.9	9374.4	10408.3	11047.9
35°	10310.1	10384.6	10523.3	10474.2	9988.6	9362.5	9186.5	9376.1	9411.6	10399.8	10980.2
37.5°	10899.0	10973.4	11259.4	11391.4	10822.8	10047.8	9565.6	9567.3	9584.2	10503.0	10975.1
40°	11514.9	11594.4	12024.2	12367.7	11904.1	10915.9	10176.4	9966.6	9948.0	10756.8	11075.0
42.5°	12377.9	12449.0	12965.1	13403.3	13103.8	12027.6	11020.8	10582.5	10543.6	11254.3	11394.8
45°	13469.3	13530.2	14078.5	14547.2	14393.2	13296.7	12081.8	11430.3	11423.5	12083.5	12042.8
47.5°	14767.2	14814.5	15307.0	15760.4	15816.3	14757.0	13415.2	12738.3	12628.3	13220.6	13046.3
50°	16119.2	16171.6	16506.7	16994.0	17408.6	16711.4	15131.0	14340.8	14193.5	14721.5	14467.7
52.5°	17014.3	17083.7	17374.7	17992.4	19198.8	18853.6	17159.8	16283.3	16059.9	16540.5	16345.9
55°	16615.0	16770.6	17215.7	18205.6	20630.4	22126.2	19662.5	18549.1	18296.9	18696.3	18581.2
57.5°	14799.3	15012.5	15620.0	17148.0	20831.7	25009.6	23446.1	21217.5	21039.9	20924.8	20977.3
60°	11481.1	11685.8	12438.8	14430.4	19429.0	27114.6	29140.1	24507.0	24249.8	23161.8	23209.2
62.5°	8125.6	8022.4	8538.5	9995.4	15787.5	27361.6	35619.2	28906.6	28060.5	25524.0	25315.9
65°	6196.6	6172.9	6404.7	6868.3	9562.2	24405.5	39478.9	36301.1	34979.6	28302.5	27811.7
67.5°	5091.6	5049.3	5277.7	5952.9	6157.6	15745.2	39563.5	44880.2	43582.3	31761.2	30698.5
70°	4186.3	4138.9	4352.1	5223.6	5690.6	7985.1	33297.6	49904.1	49834.7	36140.4	32878.0
71°	3753.1	3719.3	3974.8	4942.7	5590.8	6655.1	28749.2	49917.7	50125.8	37622.7	32749.4
72.5°	3056.0	3067.8	3338.6	4399.5	5516.3	5876.7	21129.6	47591.0	48030.9	39035.6	31580.1
75°	2030.5	2040.7	2396.0	3384.2	5348.8	5749.8	11613.0	39934.1	40743.0	38189.5	28816.9
77.5°	1363.9	1360.5	1602.4	2321.6	4660.1	5749.8	6809.1	29867.7	30756.0	30387.2	22215.9
80°	939.1	932.4	1103.3	1602.4	3528.1	5819.2	5264.2	20931.6	21200.6	16410.2	9029.2
82.5°	575.3	580.4	720.8	1132.0	2401.1	5237.1	4969.8	11413.4	11120.6	4602.6	2255.6
85°	330.0	328.3	460.3	766.5	1541.5	4419.8	4846.2	4912.2	4506.1	1385.8	815.6
87.5°	118.4	126.9	247.1	424.7	883.3	3078.0	4111.9	2555.1	2303.0	626.1	368.9
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°	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2	11227.2
2.5°	11213.7	11223.9	11212.0	11144.3	11086.8	10993.7	10941.3	10868.5	10846.5	10836.4	10863.4
5°	11256.0	11259.4	11159.6	10981.9	10782.2	10547.0	10377.8	10169.7	10071.5	10029.2	10056.3
7.5°	11294.9	11279.7	11061.4	10721.3	10352.4	9942.9	9579.1	9245.8	9051.2	8971.6	8978.4
10°	11300.0	11235.7	10885.4	10359.2	9787.2	9186.5	8628.1	8113.7	7788.8	7577.3	7641.6
12.5°	11247.5	11139.3	10626.5	9890.5	9096.9	8277.9	7523.2	6751.6	6287.9	6073.0	6079.8
15°	11206.9	11010.7	10308.4	9338.8	8272.8	7188.1	6157.6	5250.7	4756.6	4536.6	4433.4
17.5°	11173.1	10871.9	9939.5	8717.8	7299.8	5924.1	4685.5	3876.7	3605.9	3541.6	3514.5
20°	11125.7	10724.7	9528.3	7998.7	6191.5	4509.5	3421.5	3022.1	3023.8	3098.3	3108.4
22.5°	11059.7	10557.2	9090.1	7191.5	5001.9	3284.4	2682.0	2567.0	2683.7	2825.8	2851.2
25°	10961.6	10359.2	8602.8	6299.8	3814.0	2524.6	2291.1	2286.1	2428.2	2577.1	2599.1
27.5°	10822.8	10100.3	8061.3	5342.0	2810.6	2145.6	2052.5	2088.1	2193.0	2301.3	2309.7
30°	10636.7	9799.1	7464.0	4331.8	2203.1	1910.4	1900.3	1932.4	1996.7	2072.9	2079.6
32.5°	10431.9	9492.8	6826.0	3353.8	1886.7	1783.5	1793.7	1808.9	1839.3	1869.8	1876.6
35°	10245.8	9179.8	6172.9	2548.3	1736.1	1700.6	1693.8	1690.4	1693.8	1683.7	1685.4
37.5°	10125.7	8920.9	5492.6	2028.9	1649.8	1627.8	1607.5	1582.1	1553.4	1536.4	1539.8
40°	10081.7	8728.0	4803.9	1753.0	1578.8	1563.5	1524.6	1470.5	1436.6	1426.5	1426.5
42.5°	10200.1	8628.1	4138.9	1614.3	1519.5	1494.1	1429.8	1367.2	1341.9	1340.2	1338.5
45°	10562.2	8668.8	3506.1	1538.1	1465.4	1416.3	1331.7	1279.2	1262.3	1265.7	1264.0
47.5°	11212.0	8924.3	2964.6	1487.4	1411.2	1346.9	1252.2	1209.9	1189.6	1189.6	1191.3
50°	12317.0	9521.6	2533.1	1445.1	1365.5	1282.6	1194.6	1142.2	1115.1	1113.4	1113.4
52.5°	13926.2	10591.0	2264.1	1409.5	1314.8	1225.1	1137.1	1071.1	1039.0	1032.2	1028.8
55°	15943.2	12124.1	2189.6	1385.8	1247.1	1162.5	1067.7	1001.7	966.2	951.0	949.3
57.5°	18198.8	13988.8	2336.8	1357.1	1177.7	1088.0	991.6	929.0	891.7	873.1	871.4
60°	20481.5	16024.4	2937.5	1316.5	1120.2	1006.8	913.7	856.2	819.0	798.7	795.3
62.5°	22767.5	18170.0	4164.3	1313.1	1079.6	929.0	834.2	785.1	749.6	727.6	722.5
65°	25346.3	20518.7	5558.6	1402.8	1066.0	857.9	753.0	714.1	683.6	663.3	661.6
67.5°	28307.5	23170.3	5424.9	1587.2	1111.7	793.6	676.8	646.4	624.4	607.5	605.8
70°	29696.8	22755.7	3372.4	1717.5	1176.0	731.0	604.1	582.1	565.2	553.3	548.2
71°	29114.7	21606.7	2827.5	1702.3	1169.3	703.9	575.3	558.4	541.5	531.3	526.3
72.5°	27527.5	19704.8	2358.8	1583.8	1093.1	654.9	538.1	521.2	505.9	494.1	490.7
75°	24701.6	17598.1	1888.4	1265.7	871.4	553.3	472.1	453.5	441.6	434.9	428.1
77.5°	18158.2	12558.9	1460.3	1000.0	641.3	451.8	402.7	389.2	377.3	367.2	362.1
80°	6956.3	4864.9	983.1	746.2	470.4	357.0	324.9	318.1	306.3	299.5	299.5
82.5°	1873.2	1453.5	524.6	451.8	314.7	260.6	248.7	245.4	235.2	221.7	223.4
85°	758.1	641.3	294.4	248.7	192.9	154.0	167.5	169.2	157.4	140.4	142.1
87.5°	333.3	272.4	164.1	110.0	84.6	59.2	76.1	76.1	69.4	57.5	52.5
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)