

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: P319412

Luminaire Tested: **GAN-SA8C-750-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319412  
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-SA8C-750-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 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: 55532 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B4 - U0 - G5

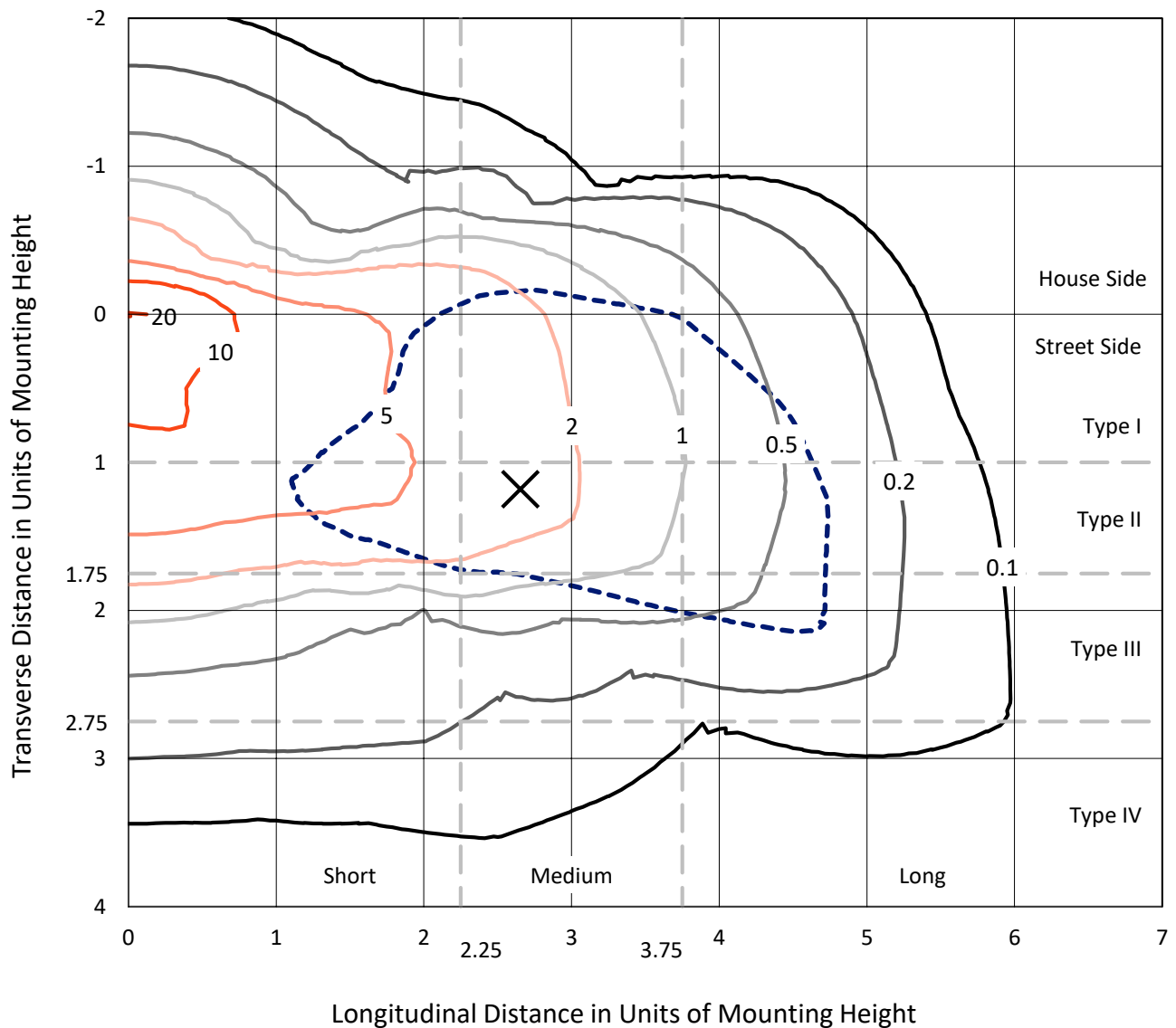
Input Watts (W): 445  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

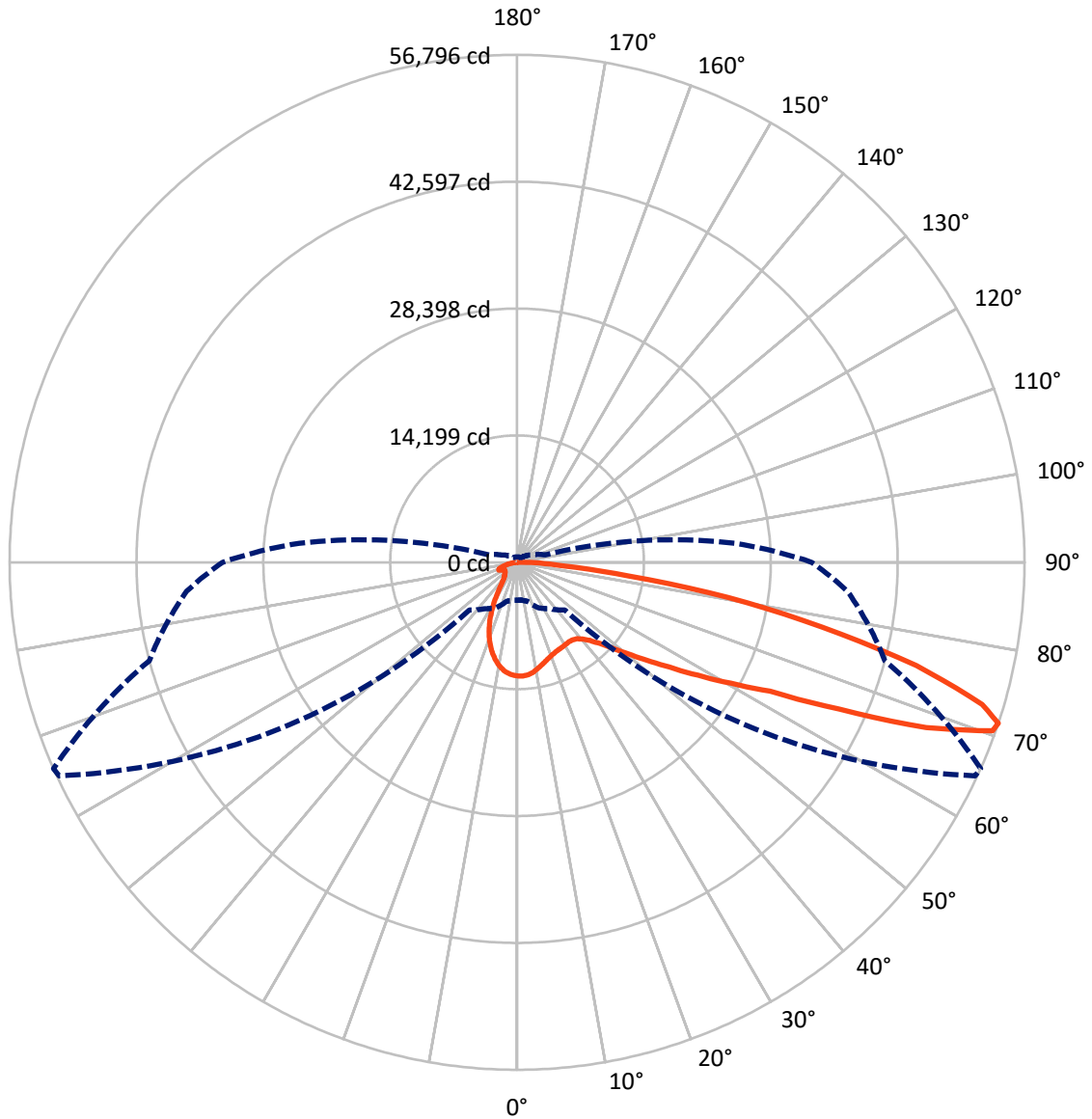
× Max cd  
 - - - 1/2 Max cd



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 66-Deg Lateral      - - - Horizontal Cone Through 71-Deg Vertical

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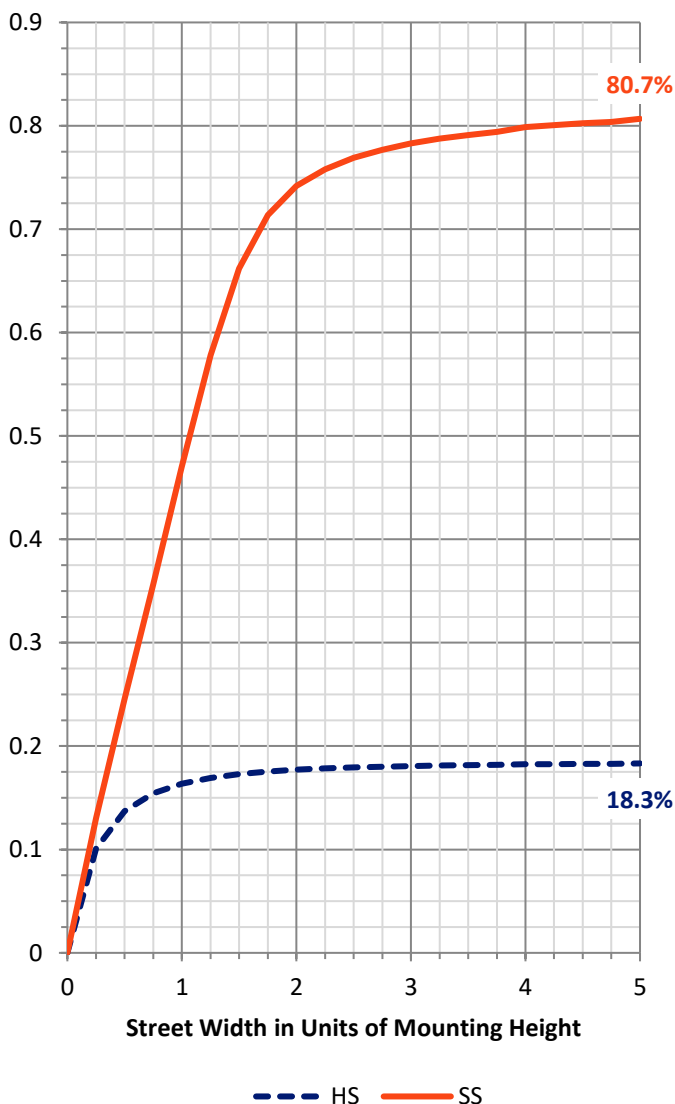
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	10291.6	0.0	10291.6
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	45240.4	0.0	45240.4
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	55532.0	0.0	55532.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1119.8	2.0
10°-20°	2685.7	4.8
20°-30°	3607.6	6.5
30°-40°	4745.7	8.5
40°-50°	6903.8	12.4
50°-60°	10784.4	19.4
60°-70°	13509.3	24.3
70°-80°	10304.5	18.6
80°-90°	1871.2	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°	55532.0	100.0
0°-180°	55532.0	100.0

**Coefficient of Utilization**

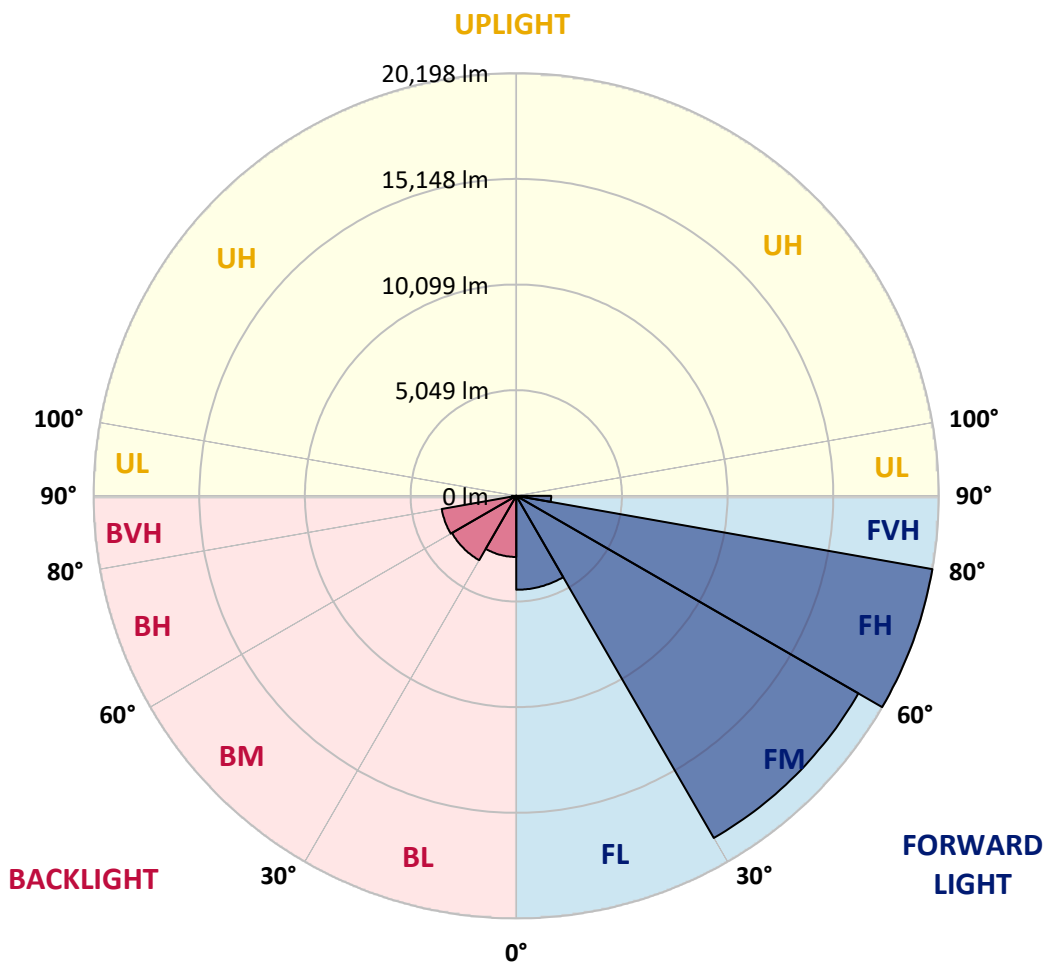


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4490.5	8.1			
FM (30°-60°)	18883.7	34.0			
FH (60°-80°)	20197.6	36.4			G5
FVH (80°-90°)	1668.6	3.0			G5
BL (0°-30°)	2922.5	5.3	B4/5000		
BM (30°-60°)	3550.3	6.4	B3/5000		
BH (60°-80°)	3616.2	6.5	B4/5000		G4/5000
BVH (80°-90°)	202.6	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°	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3
2.5°	12485.5	12466.3	12523.8	12583.3	12606.3	12644.6	12702.1	12734.7	12732.8	12738.6	12719.4
5°	11657.2	11632.3	11747.3	11841.3	12021.5	12224.7	12472.1	12648.4	12652.3	12752.0	12778.8
7.5°	10873.0	10855.8	10988.1	11139.5	11348.5	11659.1	12059.8	12439.5	12462.5	12732.8	12826.8
10°	10244.2	10240.3	10368.8	10533.7	10777.2	11124.2	11584.3	12140.4	12174.9	12640.8	12834.4
12.5°	9753.3	9761.0	9872.2	10060.1	10317.0	10679.4	11177.9	11804.8	11860.4	12495.1	12790.3
15°	9391.0	9421.6	9511.7	9701.6	9954.6	10322.8	10834.7	11494.2	11578.6	12332.1	12765.4
17.5°	9183.9	9218.4	9281.7	9438.9	9676.6	10031.3	10516.4	11239.2	11315.9	12207.5	12767.3
20°	9122.5	9151.3	9187.7	9283.6	9484.9	9807.0	10265.2	11009.2	11091.6	12107.8	12786.5
22.5°	9243.3	9264.4	9268.2	9260.6	9383.3	9646.0	10083.1	10840.4	10928.6	12042.6	12799.9
25°	9502.2	9530.9	9509.8	9438.9	9398.6	9559.7	9989.1	10729.2	10817.4	11994.6	12773.1
27.5°	9891.4	9895.2	9877.9	9785.9	9596.1	9569.3	9960.4	10664.0	10748.4	11939.0	12717.5
30°	10420.5	10445.5	10414.8	10290.2	9979.6	9722.6	9994.9	10600.8	10677.5	11868.1	12627.4
32.5°	11039.8	11101.2	11099.3	10968.9	10524.1	10065.8	10136.8	10562.4	10621.9	11793.3	12518.1
35°	11682.1	11766.5	11923.7	11868.1	11317.8	10608.4	10409.0	10623.8	10664.0	11783.7	12441.4
37.5°	12349.3	12433.7	12757.7	12907.3	12263.1	11384.9	10838.5	10840.4	10859.6	11900.7	12435.6
40°	13047.2	13137.4	13624.4	14013.6	13488.2	12368.5	11530.7	11292.9	11271.8	12188.3	12548.7
42.5°	14025.1	14105.6	14690.4	15187.0	14847.6	13628.2	12487.4	11990.8	11946.7	12752.0	12911.1
45°	15261.7	15330.8	15952.0	16483.1	16308.6	15066.2	13689.5	12951.4	12943.7	13691.5	13645.4
47.5°	16732.3	16786.0	17343.9	17857.8	17921.0	16720.8	15200.4	14433.5	14308.8	14979.9	14782.4
50°	18264.2	18323.7	18703.3	19255.5	19725.2	18935.3	17144.5	16249.1	16082.3	16680.5	16392.9
52.5°	19278.5	19357.1	19686.9	20386.7	21753.7	21362.6	19443.4	18450.2	18197.1	18741.6	18521.1
55°	18826.0	19002.4	19506.6	20628.3	23375.8	25070.7	22279.1	21017.5	20731.8	21184.3	21053.9
57.5°	16768.7	17010.3	17698.6	19429.9	23603.9	28337.7	26566.2	24041.1	23839.7	23709.4	23768.8
60°	13008.9	13240.9	14094.1	16350.8	22014.5	30722.9	33017.9	27768.3	27476.9	26244.0	26297.7
62.5°	9206.9	9089.9	9674.7	11325.5	17888.4	31002.8	40359.2	32753.3	31794.6	28920.6	28684.8
65°	7021.2	6994.3	7257.0	7782.3	10834.7	27653.3	44732.6	41131.9	39634.5	32068.8	31512.8
67.5°	5769.2	5721.2	5980.1	6745.1	6977.1	17840.5	44828.5	50852.6	49382.1	35987.8	34783.7
70°	4743.4	4689.7	4931.3	5918.7	6447.9	9047.8	37728.7	56545.1	56466.5	40949.8	37253.2
71°	4252.6	4214.2	4503.7	5600.4	6334.8	7540.8	32575.0	56560.4	56796.3	42629.3	37107.5
72.5°	3462.6	3476.1	3782.8	4985.0	6250.4	6658.8	23941.4	53924.1	54422.6	44230.3	35782.6
75°	2300.8	2312.3	2714.9	3834.6	6060.6	6515.0	13158.5	45248.4	46164.8	43271.6	32651.7
77.5°	1545.3	1541.5	1815.7	2630.5	5280.3	6515.0	7715.2	33842.3	34848.9	34430.9	25172.3
80°	1064.1	1056.4	1250.1	1815.7	3997.6	6593.6	5964.7	23717.0	24021.9	18594.0	10230.7
82.5°	651.9	657.6	816.8	1282.7	2720.7	5934.1	5631.1	12932.2	12600.5	5215.1	2555.8
85°	373.9	372.0	521.5	868.5	1746.7	5008.0	5491.2	5565.9	5105.8	1570.3	924.1
87.5°	134.2	143.8	279.9	481.2	1000.8	3487.6	4659.0	2895.1	2609.4	709.4	418.0
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°	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3	12721.3
2.5°	12706.0	12717.5	12704.1	12627.4	12562.2	12456.7	12397.3	12314.8	12289.9	12278.4	12309.1
5°	12753.9	12757.7	12644.6	12443.3	12217.1	11950.6	11758.8	11523.0	11411.8	11363.9	11394.5
7.5°	12798.0	12780.7	12533.4	12148.0	11730.1	11266.1	10853.9	10476.1	10255.7	10165.5	10173.2
10°	12803.8	12730.9	12334.0	11737.7	11089.7	10409.0	9776.3	9193.5	8825.3	8585.7	8658.5
12.5°	12744.3	12621.6	12040.7	11206.6	10307.4	9379.4	8524.3	7650.0	7124.7	6881.2	6888.9
15°	12698.3	12475.9	11680.2	10581.6	9373.7	8144.7	6977.1	5949.4	5389.5	5140.3	5023.3
17.5°	12660.0	12318.7	11262.2	9877.9	8271.2	6712.5	5309.0	4392.5	4085.8	4012.9	3982.2
20°	12606.3	12151.9	10796.3	9063.1	7015.4	5109.6	3876.8	3424.3	3426.2	3510.6	3522.1
22.5°	12531.5	11962.1	10299.8	8148.5	5667.5	3721.5	3038.9	2908.5	3040.8	3201.9	3230.7
25°	12420.3	11737.7	9747.6	7138.1	4321.6	2860.6	2596.0	2590.3	2751.3	2920.1	2945.0
27.5°	12263.1	11444.4	9134.0	6052.9	3184.6	2431.1	2325.7	2366.0	2484.8	2607.5	2617.1
30°	12052.2	11103.1	8457.2	4908.3	2496.3	2164.6	2153.1	2189.6	2262.4	2348.7	2356.4
32.5°	11820.2	10756.1	7734.4	3800.1	2137.8	2020.8	2032.3	2049.6	2084.1	2118.6	2126.3
35°	11609.3	10401.4	6994.3	2887.5	1967.2	1926.9	1919.2	1915.4	1919.2	1907.7	1909.6
37.5°	11473.1	10108.0	6223.6	2298.8	1869.4	1844.4	1821.4	1792.7	1760.1	1740.9	1744.7
40°	11423.3	9889.4	5443.2	1986.3	1788.8	1771.6	1727.5	1666.1	1627.8	1616.3	1616.3
42.5°	11557.5	9776.3	4689.7	1829.1	1721.7	1693.0	1620.1	1549.2	1520.4	1518.5	1516.6
45°	11967.8	9822.3	3972.7	1742.8	1660.4	1604.8	1508.9	1449.5	1430.3	1434.1	1432.2
47.5°	12704.1	10111.9	3359.1	1685.3	1599.0	1526.2	1418.8	1370.9	1347.9	1347.9	1349.8
50°	13956.0	10788.7	2870.2	1637.4	1547.3	1453.3	1353.6	1294.2	1263.5	1261.6	1261.6
52.5°	15779.4	12000.4	2565.4	1597.1	1489.7	1388.1	1288.4	1213.7	1177.2	1169.6	1165.7
55°	18064.8	13737.5	2481.0	1570.3	1413.1	1317.2	1209.8	1135.0	1094.8	1077.5	1075.6
57.5°	20620.6	15850.3	2647.8	1537.7	1334.4	1232.8	1123.5	1052.6	1010.4	989.3	987.4
60°	23207.0	18156.9	3328.4	1491.7	1269.3	1140.8	1035.3	970.2	928.0	905.0	901.1
62.5°	25797.3	20588.0	4718.5	1487.8	1223.2	1052.6	945.2	889.6	849.4	824.4	818.7
65°	28719.3	23249.2	6298.3	1589.4	1207.9	972.1	853.2	809.1	774.6	751.6	749.7
67.5°	32074.6	26253.6	6146.9	1798.4	1259.7	899.2	766.9	732.4	707.5	688.3	686.4
70°	33648.7	25783.9	3821.2	1946.1	1332.5	828.3	684.5	659.6	640.4	627.0	621.2
71°	32989.1	24482.0	3203.8	1928.8	1324.9	797.6	651.9	632.7	613.5	602.0	596.3
72.5°	31190.7	22327.0	2672.7	1794.6	1238.6	742.0	609.7	590.5	573.3	559.9	556.0
75°	27988.8	19940.0	2139.7	1434.1	987.4	627.0	534.9	513.8	500.4	492.7	485.1
77.5°	20574.6	14230.2	1654.6	1133.1	726.7	511.9	456.3	441.0	427.6	416.1	410.3
80°	7882.0	5512.2	1114.0	845.5	533.0	404.6	368.1	360.5	347.0	339.4	339.4
82.5°	2122.5	1647.0	594.4	511.9	356.6	295.3	281.8	278.0	266.5	251.2	253.1
85°	859.0	726.7	333.6	281.8	218.6	174.5	189.8	191.7	178.3	159.1	161.1
87.5°	377.7	308.7	186.0	124.6	95.9	67.1	86.3	86.3	78.6	65.2	59.4
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)