

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: P319369

Luminaire Tested: **GAN-SA5C-740-U-SL2**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319369  
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-SA5C-740-U-SL2  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(5) 70 CRI, 4000K, 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: 34631 lumens  
Efficiency: N/A  
Efficacy: 124.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

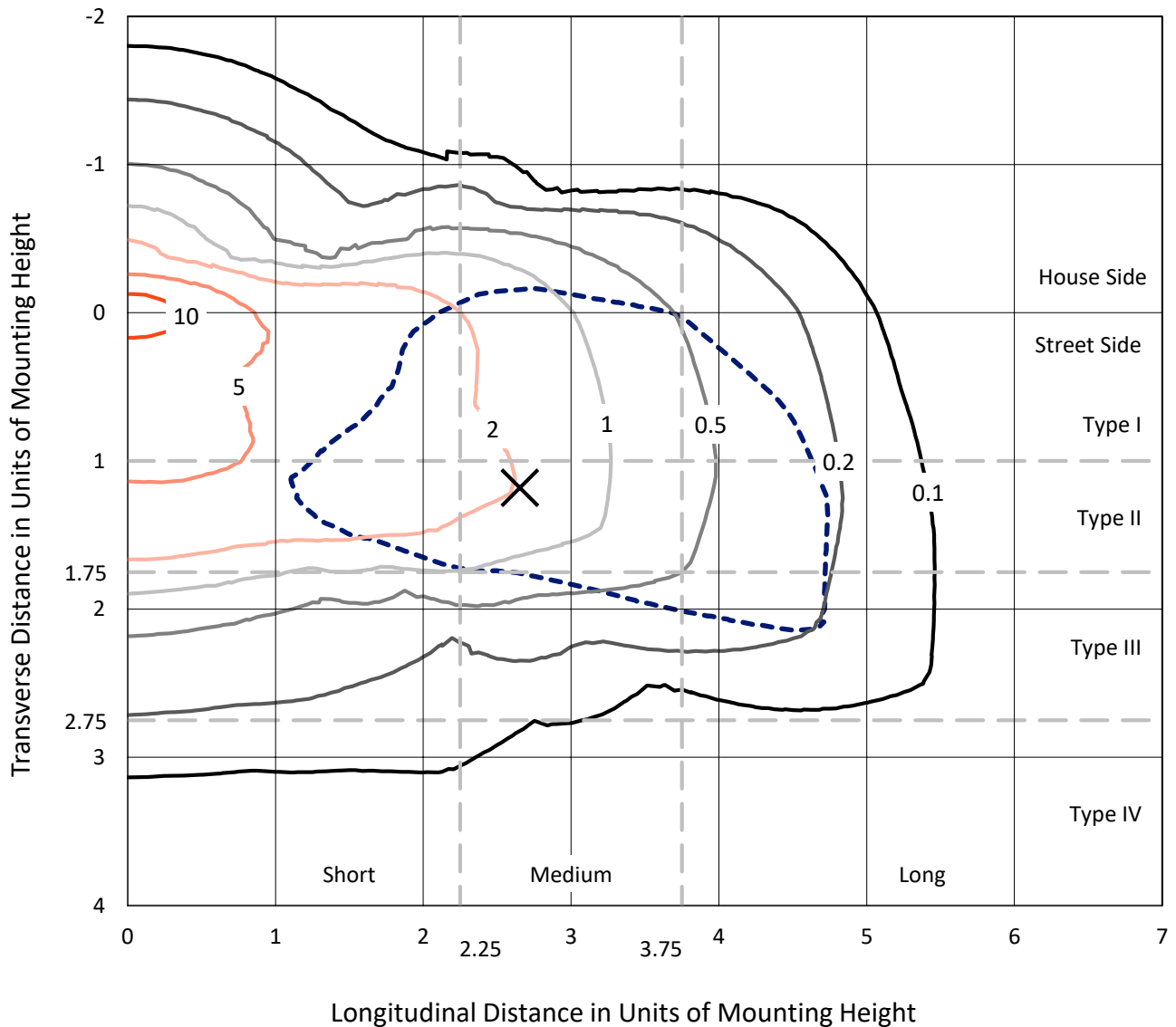
Input Watts (W): 279  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

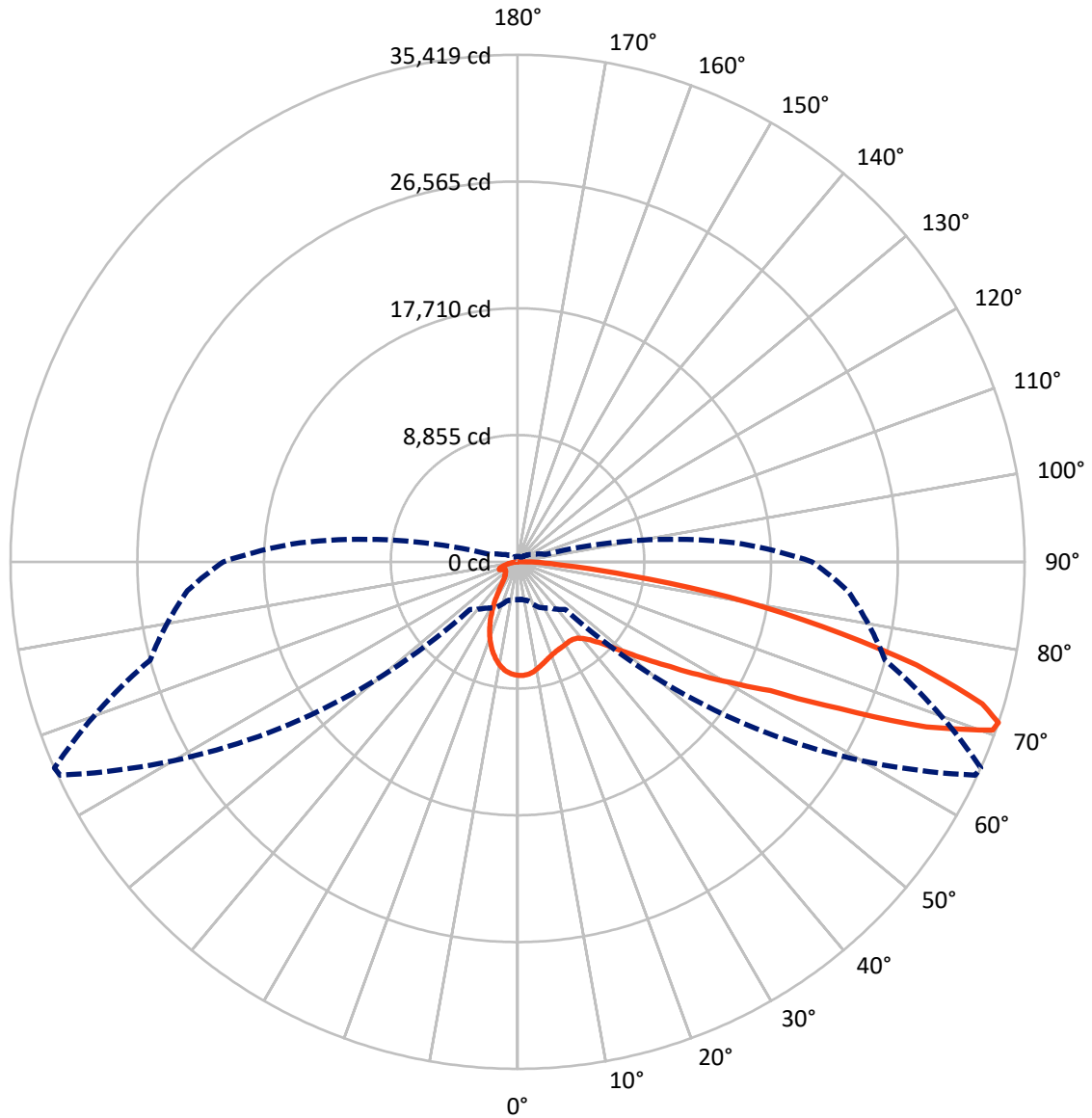
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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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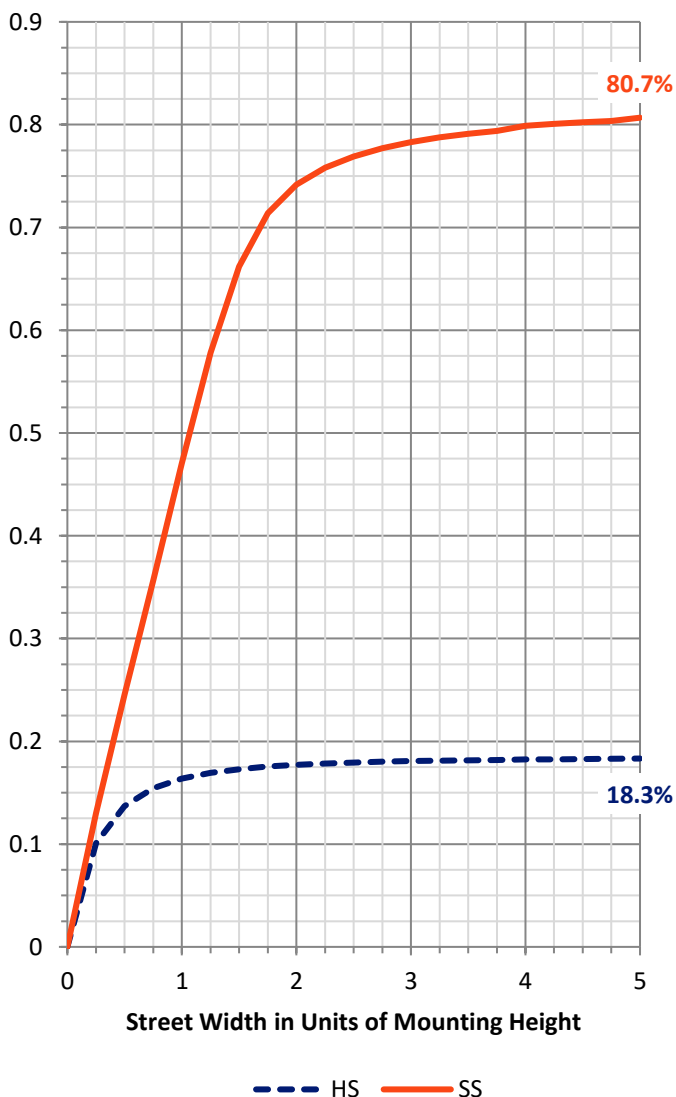
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6418.1	0.0	6418.1
	% Fixture	18.5	0.0	18.5
<b>Street Side</b>	Lumens	28212.9	0.0	28212.9
	% Fixture	81.5	0.0	81.5
<b>Total</b>	Lumens	34631.0	0.0	34631.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	698.3	2.0
10°-20°	1674.9	4.8
20°-30°	2249.8	6.5
30°-40°	2959.5	8.5
40°-50°	4305.3	12.4
50°-60°	6725.4	19.4
60°-70°	8424.7	24.3
70°-80°	6426.2	18.6
80°-90°	1166.9	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°	34631.0	100.0
0°-180°	34631.0	100.0

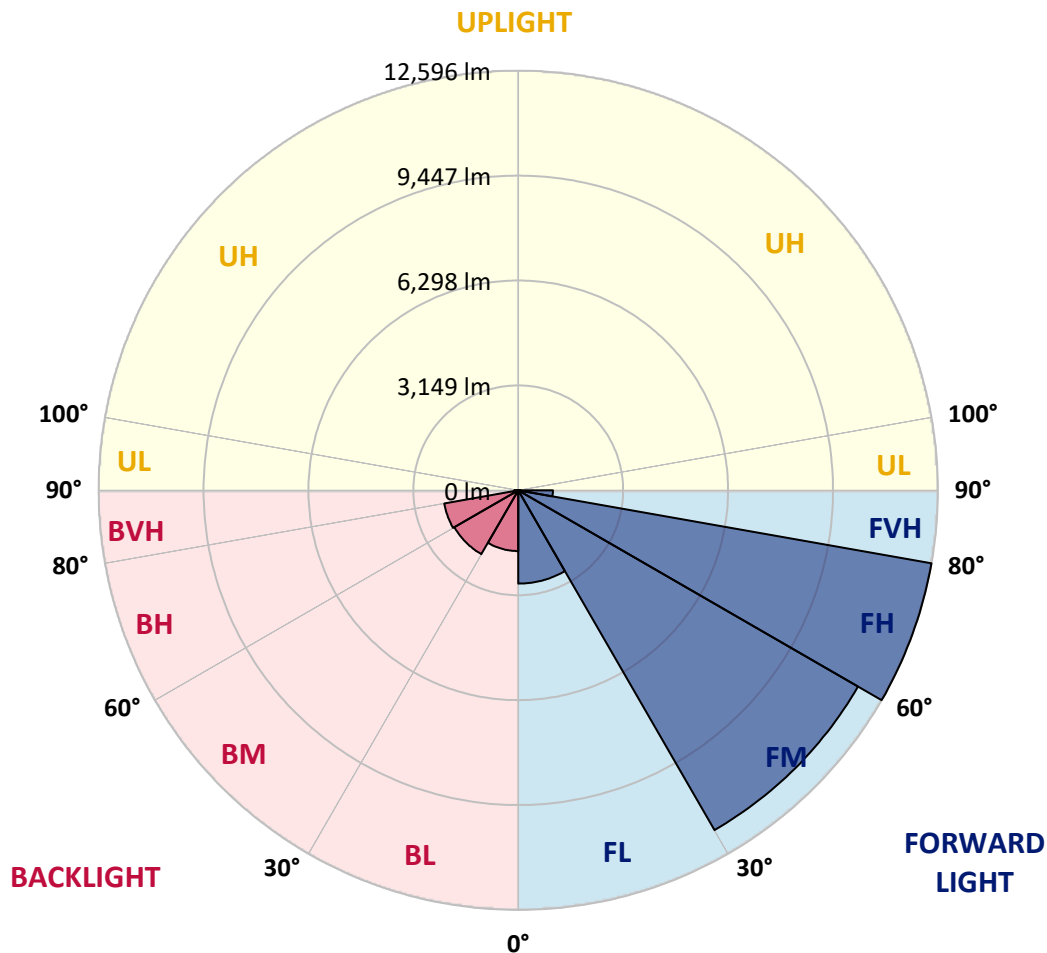


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2800.4	8.1			
FM (30°-60°)	11776.3	34.0			
FH (60°-80°)	12595.7	36.4			G5
FVH (80°-90°)	1040.6	3.0			G5
BL (0°-30°)	1822.6	5.3	B3/2500		
BM (30°-60°)	2214.0	6.4	B2/2500		
BH (60°-80°)	2255.2	6.5	B3/2500		G3/2500
BVH (80°-90°)	126.3	0.4			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°	65°	66°	75°	85°
0°	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3
2.5°	7786.2	7774.3	7810.1	7847.2	7861.6	7885.5	7921.3	7941.7	7940.5	7944.1	7932.1
5°	7269.7	7254.1	7325.9	7384.5	7496.9	7623.6	7777.9	7887.9	7890.2	7952.4	7969.2
7.5°	6780.7	6769.9	6852.4	6946.9	7077.2	7270.9	7520.8	7757.5	7771.9	7940.5	7999.1
10°	6388.5	6386.1	6466.2	6569.0	6720.9	6937.3	7224.3	7571.0	7592.5	7883.1	8003.8
12.5°	6082.4	6087.2	6156.5	6273.7	6433.9	6659.9	6970.8	7361.8	7396.4	7792.2	7976.3
15°	5856.4	5875.5	5931.7	6050.1	6207.9	6437.5	6756.7	7168.1	7220.7	7690.6	7960.8
17.5°	5727.3	5748.8	5788.3	5886.3	6034.6	6255.8	6558.3	7009.0	7056.9	7612.9	7962.0
20°	5689.0	5706.9	5729.7	5789.4	5915.0	6115.9	6401.6	6865.6	6917.0	7550.7	7973.9
22.5°	5764.3	5777.5	5779.9	5775.1	5851.6	6015.4	6288.0	6760.3	6815.3	7510.0	7982.3
25°	5925.8	5943.7	5930.5	5886.3	5861.2	5961.6	6229.5	6691.0	6746.0	7480.1	7965.6
27.5°	6168.5	6170.9	6160.1	6102.7	5984.3	5967.6	6211.5	6650.3	6702.9	7445.5	7930.9
30°	6498.5	6514.0	6494.9	6417.2	6223.5	6063.3	6233.0	6610.9	6658.7	7401.2	7874.7
32.5°	6884.7	6922.9	6921.8	6840.4	6563.1	6277.3	6321.5	6587.0	6624.0	7354.6	7806.6
35°	7285.2	7337.8	7435.9	7401.2	7058.1	6615.7	6491.3	6625.2	6650.3	7348.6	7758.7
37.5°	7701.3	7753.9	7956.0	8049.3	7647.5	7099.9	6759.1	6760.3	6772.3	7421.5	7755.1
40°	8136.6	8192.8	8496.5	8739.2	8411.6	7713.3	7190.8	7042.5	7029.4	7600.9	7825.7
42.5°	8746.3	8796.6	9161.2	9470.9	9259.3	8498.8	7787.4	7477.7	7450.2	7952.4	8051.7
45°	9517.6	9560.6	9948.0	10279.2	10170.4	9395.6	8537.1	8076.8	8072.0	8538.3	8509.6
47.5°	10434.6	10468.1	10816.1	11136.5	11176.0	10427.5	9479.3	9001.0	8923.3	9341.8	9218.6
50°	11390.0	11427.0	11663.8	12008.1	12301.1	11808.5	10691.7	10133.3	10029.3	10402.4	10223.0
52.5°	12022.5	12071.5	12277.2	12713.6	13566.1	13322.2	12125.3	11506.0	11348.1	11687.7	11550.2
55°	11740.3	11850.3	12164.8	12864.2	14577.6	15634.6	13893.7	13107.0	12928.8	13211.0	13129.7
57.5°	10457.4	10608.0	11037.3	12117.0	14719.9	17672.0	16567.2	14992.5	14867.0	14785.7	14822.8
60°	8112.6	8257.3	8789.4	10196.7	13728.7	19159.5	20590.7	17316.9	17135.2	16366.4	16399.9
62.5°	5741.6	5668.7	6033.4	7062.8	11155.6	19334.0	25168.9	20425.7	19827.8	18035.5	17888.5
65°	4378.6	4361.8	4525.6	4853.2	6756.7	17245.2	27896.3	25650.8	24717.0	19998.8	19652.1
67.5°	3597.8	3567.9	3729.3	4206.4	4351.1	11125.7	27956.0	31712.8	30795.8	22442.8	21691.9
70°	2958.1	2924.6	3075.3	3691.0	4021.0	5642.4	23528.5	35262.8	35213.8	25537.2	23231.9
71°	2652.0	2628.1	2808.6	3492.6	3950.5	4702.6	20314.5	35272.4	35419.4	26584.6	23141.1
72.5°	2159.4	2167.8	2359.1	3108.8	3897.9	4152.6	14930.4	33628.3	33939.2	27583.0	22314.8
75°	1434.8	1442.0	1693.1	2391.3	3779.5	4062.9	8205.9	28217.9	28789.4	26985.1	20362.3
77.5°	963.7	961.3	1132.3	1640.5	3292.9	4062.9	4811.4	21104.8	21732.6	21471.9	15698.0
80°	663.6	658.8	779.6	1132.3	2493.0	4111.9	3719.7	14790.5	14980.6	11595.6	6380.1
82.5°	406.5	410.1	509.4	799.9	1696.7	3700.6	3511.7	8064.8	7858.0	3252.2	1593.8
85°	233.2	232.0	325.2	541.6	1089.3	3123.1	3424.4	3471.0	3184.1	979.3	576.3
87.5°	83.7	89.7	174.6	300.1	624.1	2174.9	2905.5	1805.5	1627.3	442.4	260.7
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°	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3	7933.3
2.5°	7923.7	7930.9	7922.5	7874.7	7834.1	7768.3	7731.2	7679.8	7664.3	7657.1	7676.2
5°	7953.6	7956.0	7885.5	7759.9	7618.8	7452.6	7333.1	7186.0	7116.6	7086.8	7105.9
7.5°	7981.1	7970.4	7816.1	7575.8	7315.1	7025.8	6768.7	6533.2	6395.7	6339.5	6344.2
10°	7984.7	7939.3	7691.8	7319.9	6915.8	6491.3	6096.7	5733.3	5503.7	5354.2	5399.7
12.5°	7947.6	7871.1	7508.8	6988.7	6427.9	5849.2	5316.0	4770.7	4443.1	4291.3	4296.1
15°	7918.9	7780.2	7284.0	6598.9	5845.6	5079.2	4351.1	3710.2	3361.0	3205.6	3132.7
17.5°	7895.0	7682.2	7023.4	6160.1	5158.1	4186.1	3310.8	2739.3	2548.0	2502.5	2483.4
20°	7861.6	7578.2	6732.8	5651.9	4375.0	3186.5	2417.7	2135.5	2136.7	2189.3	2196.5
22.5°	7814.9	7459.8	6423.2	5081.6	3534.4	2320.8	1895.1	1813.8	1896.3	1996.8	2014.7
25°	7745.6	7319.9	6078.8	4451.5	2695.0	1783.9	1618.9	1615.4	1715.8	1821.0	1836.6
27.5°	7647.5	7137.0	5696.2	3774.7	1986.0	1516.1	1450.4	1475.5	1549.6	1626.1	1632.1
30°	7516.0	6924.1	5274.1	3060.9	1556.8	1349.9	1342.7	1365.5	1410.9	1464.7	1469.5
32.5°	7371.3	6707.7	4823.3	2369.8	1333.2	1260.2	1267.4	1278.2	1299.7	1321.2	1326.0
35°	7239.8	6486.5	4361.8	1800.7	1226.8	1201.7	1196.9	1194.5	1196.9	1189.7	1190.9
37.5°	7154.9	6303.6	3881.2	1433.6	1165.8	1150.2	1135.9	1118.0	1097.6	1085.7	1088.1
40°	7123.8	6167.3	3394.5	1238.7	1115.6	1104.8	1077.3	1039.0	1015.1	1008.0	1008.0
42.5°	7207.5	6096.7	2924.6	1140.7	1073.7	1055.8	1010.3	966.1	948.2	947.0	945.8
45°	7463.4	6125.4	2477.4	1086.9	1035.5	1000.8	941.0	903.9	892.0	894.4	893.2
47.5°	7922.5	6306.0	2094.8	1051.0	997.2	951.8	884.8	854.9	840.6	840.6	841.8
50°	8703.3	6728.1	1789.9	1021.1	964.9	906.3	844.1	807.1	787.9	786.8	786.8
52.5°	9840.4	7483.7	1599.8	996.0	929.0	865.7	803.5	756.9	734.1	729.4	727.0
55°	11265.6	8567.0	1547.2	979.3	881.2	821.4	754.5	707.8	682.7	672.0	670.8
57.5°	12859.5	9884.6	1651.2	958.9	832.2	768.8	700.7	656.4	630.1	617.0	615.8
60°	14472.4	11323.0	2075.7	930.2	791.5	711.4	645.7	605.0	578.7	564.4	562.0
62.5°	16087.8	12839.1	2942.6	927.8	762.8	656.4	589.5	554.8	529.7	514.1	510.6
65°	17910.0	14498.7	3927.8	991.2	753.3	606.2	532.1	504.6	483.1	468.7	467.5
67.5°	20002.4	16372.4	3833.3	1121.5	785.6	560.8	478.3	456.7	441.2	429.2	428.1
70°	20984.1	16079.4	2383.0	1213.6	831.0	516.5	426.9	411.3	399.4	391.0	387.4
71°	20572.8	15267.6	1998.0	1202.8	826.2	497.4	406.5	394.6	382.6	375.4	371.9
72.5°	19451.2	13923.6	1666.8	1119.2	772.4	462.7	380.2	368.3	357.5	349.1	346.7
75°	17454.4	12435.0	1334.4	894.4	615.8	391.0	333.6	320.4	312.1	307.3	302.5
77.5°	12830.8	8874.3	1031.9	706.6	453.2	319.2	284.6	275.0	266.6	259.5	255.9
80°	4915.4	3437.6	694.7	527.3	332.4	252.3	229.6	224.8	216.4	211.6	211.6
82.5°	1323.6	1027.1	370.7	319.2	222.4	184.1	175.8	173.4	166.2	156.6	157.8
85°	535.7	453.2	208.0	175.8	136.3	108.8	118.4	119.6	111.2	99.2	100.4
87.5°	235.5	192.5	116.0	77.7	59.8	41.8	53.8	53.8	49.0	40.7	37.1
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)