

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: P319964

Luminaire Tested: **GAN-SA0B-730-U-SL4**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P319964  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0B-730-U-SL4  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 48947 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

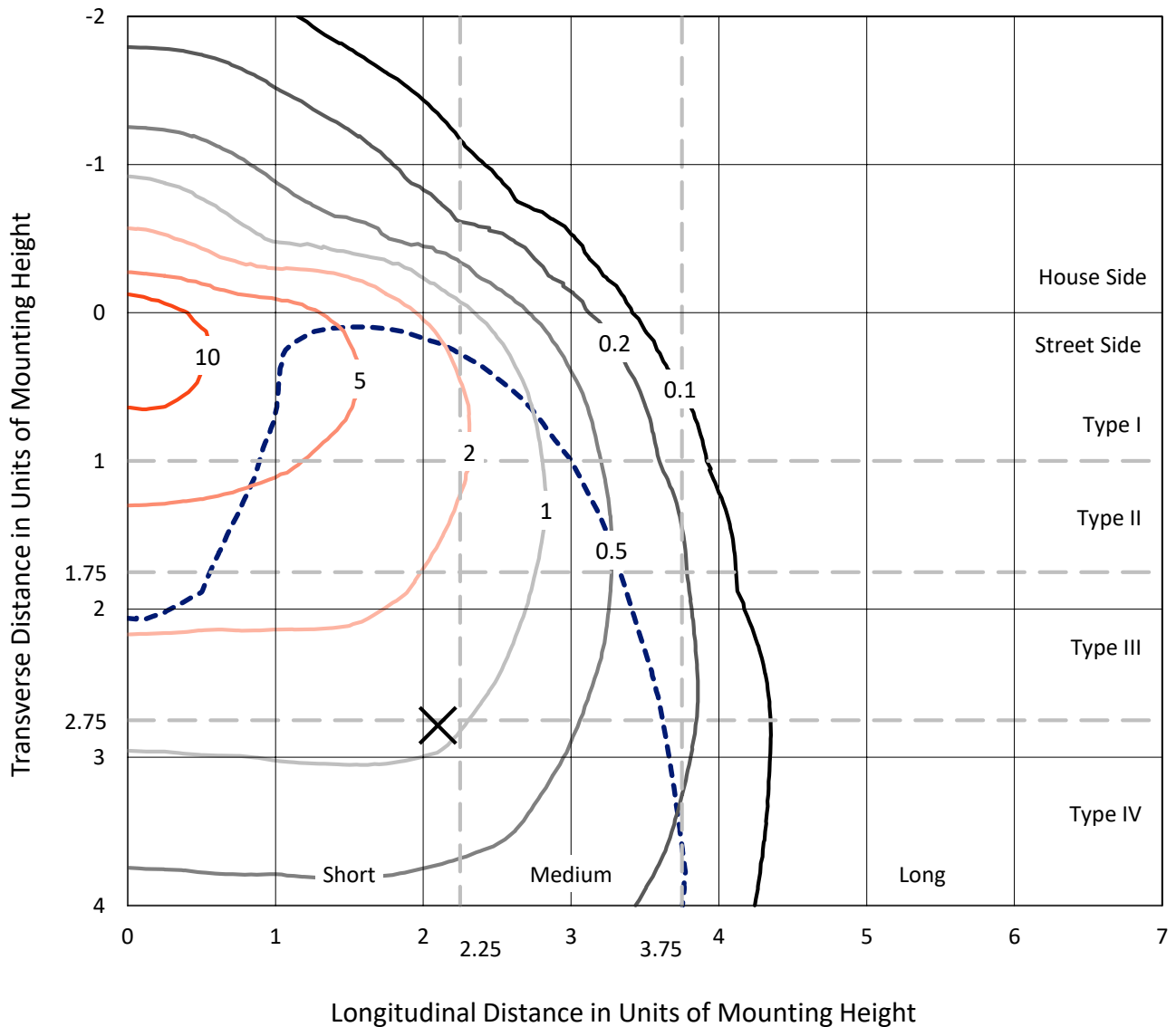
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

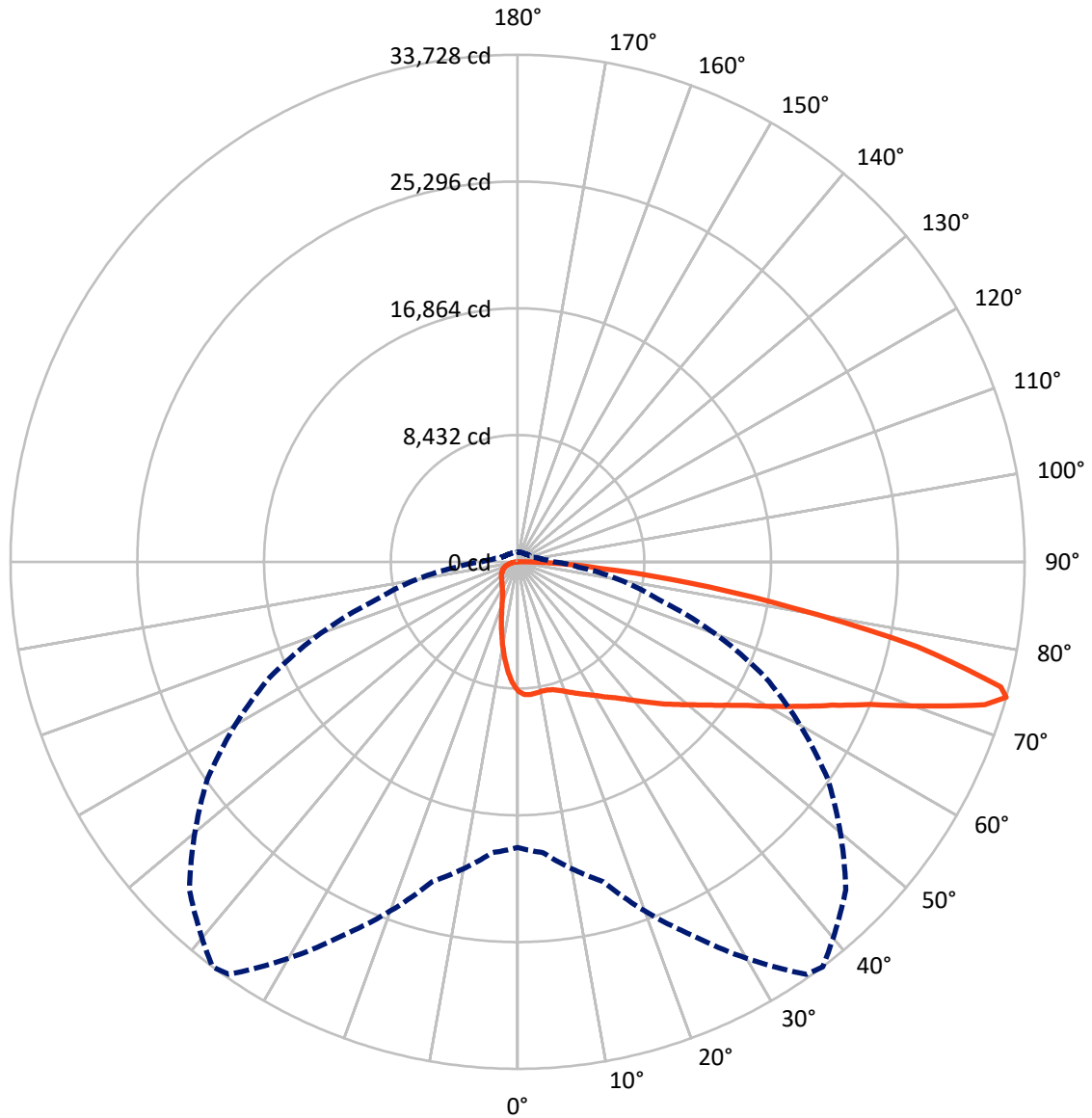
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 37-Deg Lateral      - - - Horizontal Cone Through 74-Deg Vertical

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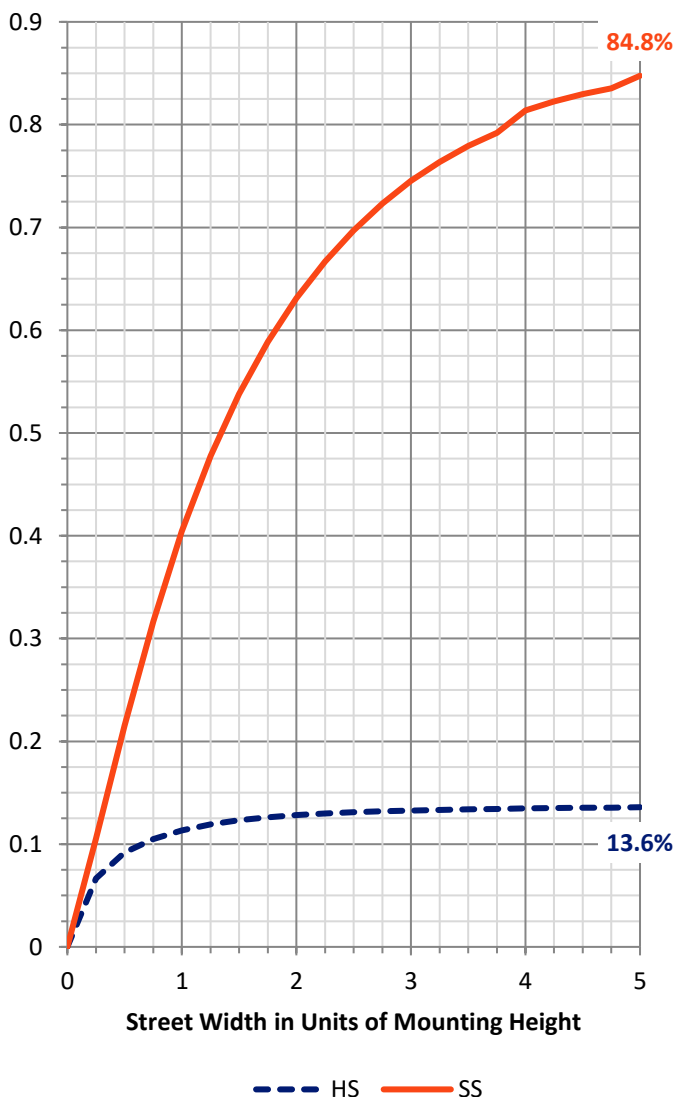
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6734.8	0.0	6734.8
	% Fixture	13.8	0.0	13.8
<b>Street Side</b>	Lumens	42212.2	0.0	42212.2
	% Fixture	86.2	0.0	86.2
<b>Total</b>	Lumens	48947.0	0.0	48947.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	759.5	1.6
10°-20°	1946.7	4.0
20°-30°	2999.5	6.1
30°-40°	4361.7	8.9
40°-50°	6419.7	13.1
50°-60°	9015.3	18.4
60°-70°	11410.6	23.3
70°-80°	10047.5	20.5
80°-90°	1986.6	4.1
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°	48947.0	100.0
0°-180°	48947.0	100.0

**Coefficient of Utilization**



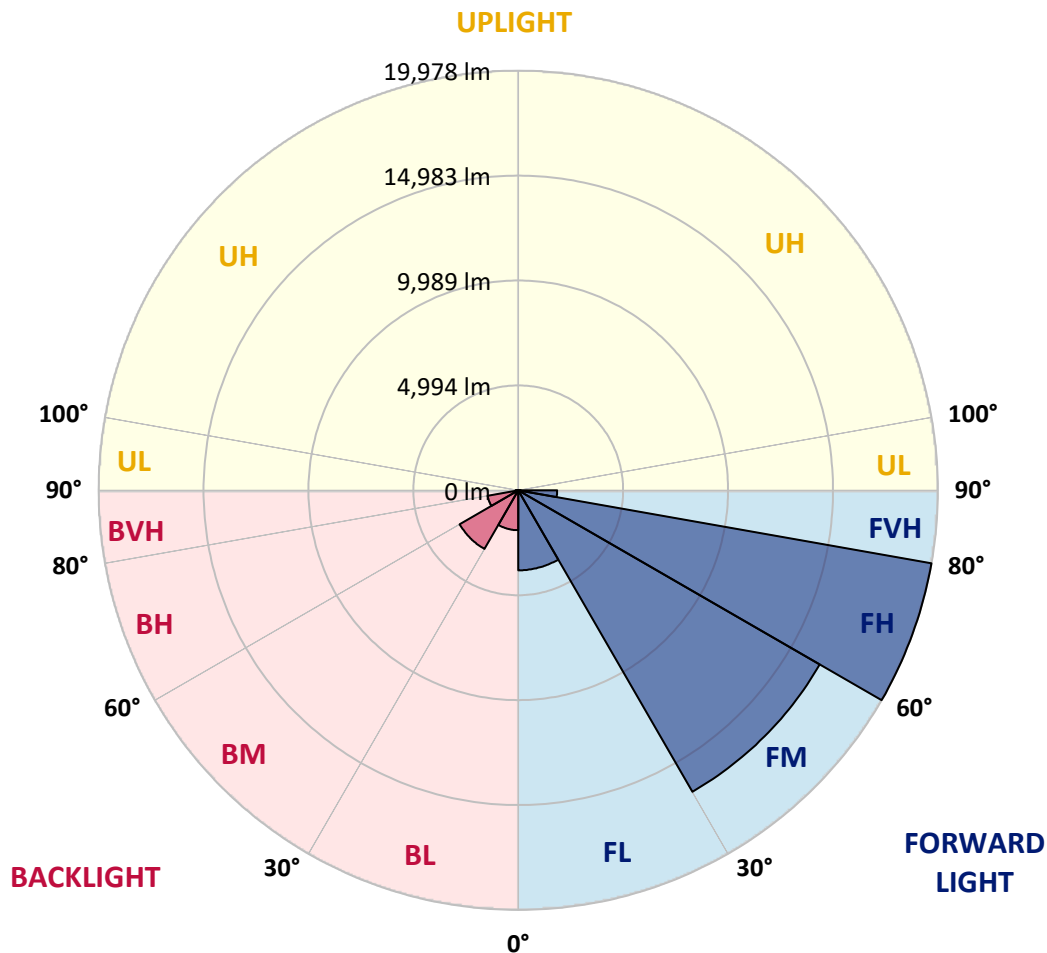
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3808.7	7.8			
FM (30°-60°)	16573.8	33.9			
FH (60°-80°)	19977.7	40.8			G5
FVH (80°-90°)	1852.1	3.8			G5
BL (0°-30°)	1897.0	3.9	B3/2500		
BM (30°-60°)	3222.8	6.6	B3/5000		
BH (60°-80°)	1480.4	3.0	B3/2500		G3/2500
BVH (80°-90°)	134.5	0.3			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	37°	45°	55°	65°	75°	85°
0°	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3
2.5°	8919.1	8920.8	8919.1	8905.3	8872.6	8845.0	8822.6	8789.8	8717.4	8662.2	8579.4
5°	9003.6	8993.2	8986.3	8960.5	8908.8	8877.7	8834.6	8772.5	8653.6	8543.2	8408.8
7.5°	8963.9	8951.9	8936.3	8905.3	8846.7	8820.8	8760.5	8679.4	8536.3	8391.5	8198.4
10°	8841.5	8838.1	8831.2	8824.3	8774.3	8753.6	8698.4	8612.2	8470.8	8295.0	8069.1
12.5°	8705.3	8713.9	8741.5	8777.7	8755.3	8745.0	8710.5	8651.9	8507.0	8317.4	8045.0
15°	8619.1	8643.2	8717.4	8812.2	8831.2	8827.7	8819.1	8781.2	8627.7	8417.4	8100.1
17.5°	8589.8	8629.4	8770.8	8927.7	8982.9	8995.0	8998.4	8932.9	8762.2	8539.8	8157.0
20°	8643.2	8693.2	8900.1	9115.7	9203.6	9210.5	9195.0	9081.2	8889.8	8645.0	8188.1
22.5°	8805.3	8850.1	9108.8	9351.9	9451.9	9462.2	9415.7	9243.2	9024.3	8769.1	8231.2
25°	9117.4	9172.6	9431.2	9674.3	9726.0	9727.7	9660.5	9446.7	9200.1	8943.2	8324.3
27.5°	9524.3	9579.5	9812.2	10050.2	10022.6	10007.1	9915.7	9701.9	9429.5	9182.9	8489.8
30°	9977.7	10038.1	10258.8	10427.7	10362.2	10331.2	10257.1	9981.2	9748.4	9510.5	8743.2
32.5°	10446.7	10501.9	10695.0	10810.5	10727.8	10714.0	10601.9	10350.2	10164.0	10010.5	9153.6
35°	10927.8	10967.4	11157.1	11222.6	11112.2	11108.8	11077.8	10846.7	10729.5	10801.9	9750.2
37.5°	11419.1	11429.5	11591.6	11595.0	11562.2	11576.0	11608.8	11464.0	11496.7	11722.6	10526.0
40°	11857.1	11884.7	12001.9	12038.1	12095.0	12143.3	12307.1	12212.3	12465.7	12865.7	11491.6
42.5°	12181.2	12234.7	12422.6	12515.7	12700.2	12776.1	13007.1	13095.0	13605.4	14205.4	12639.9
45°	12455.4	12538.1	12839.9	13031.2	13343.3	13476.1	13807.1	14101.9	14893.3	15658.9	13848.5
47.5°	12751.9	12857.1	13234.7	13600.2	14024.4	14174.4	14776.1	15217.5	16267.5	17121.0	14988.2
50°	13188.1	13269.2	13638.1	14212.3	14741.6	14934.7	15767.5	16400.3	17664.1	18514.1	15976.1
52.5°	13796.8	13765.7	14077.8	14883.0	15593.3	15831.3	16826.1	17658.9	19079.6	19774.4	16810.6
55°	14408.8	14357.1	14576.1	15584.7	16586.5	16836.5	17991.7	18922.7	20426.2	20908.9	17450.3
57.5°	15089.9	14991.6	15176.1	16376.1	17717.5	18015.8	19296.9	20265.8	21750.3	21826.2	17857.2
60°	15791.6	15658.9	15865.8	17357.2	19153.7	19505.5	20824.5	21576.2	22998.6	22560.7	17988.2
62.5°	16405.4	16312.3	16631.3	18452.0	20772.7	21158.9	22324.5	22969.3	24229.7	22865.9	17515.8
65°	16941.6	16957.2	17508.9	19683.1	22577.9	22990.0	24045.2	24686.6	25198.7	22684.8	16410.6
67.5°	17581.3	17669.2	18610.6	21303.8	24850.4	25302.1	26548.7	26559.0	25740.1	21622.7	14234.7
70°	18514.1	18695.1	20126.2	23552.1	28081.5	28702.2	29664.3	27659.0	24979.7	18743.4	11200.2
72.5°	19341.7	19679.6	21738.3	26124.5	32019.5	32490.2	31486.7	27024.6	21802.1	14046.8	6977.7
74°	19005.5	19424.4	22031.4	27391.8	33502.2	33728.1	30871.2	25172.8	18177.9	9727.7	4055.2
75°	18281.3	18736.5	21603.8	27379.7	33314.3	33188.4	29384.9	23057.3	14970.9	6634.6	2698.3
77.5°	14753.7	15234.7	18203.7	23465.9	27315.9	27197.0	22572.8	15467.5	6557.0	2175.9	1370.7
80°	8577.7	8945.0	11300.2	14902.0	18419.3	18634.8	14845.1	7653.6	2579.4	1222.4	929.3
82.5°	3810.4	4063.9	5458.7	7607.0	11115.7	11393.3	7774.3	4010.4	1593.1	743.1	558.6
85°	2500.0	2688.0	3313.8	3622.5	5293.2	5482.8	3805.2	3122.5	1051.7	408.6	410.4
87.5°	1798.3	1979.3	2462.1	2150.0	2429.3	2300.0	2070.7	2889.7	422.4	232.8	137.9
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°	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3	8624.3
2.5°	8543.2	8515.6	8453.6	8336.3	8270.8	8215.6	8124.3	8070.8	8046.7	8045.0	8055.3
5°	8331.2	8267.4	8107.0	7910.5	7753.6	7610.5	7432.9	7326.0	7250.1	7205.3	7217.4
7.5°	8084.6	7984.6	7732.9	7419.1	7167.4	6889.8	6615.6	6451.8	6324.2	6229.4	6246.6
10°	7915.6	7777.7	7410.5	6958.7	6539.8	6136.3	5758.7	5532.8	5353.5	5215.6	5225.9
12.5°	7858.7	7672.5	7163.9	6560.4	5972.5	5420.8	4927.7	4581.1	4396.6	4239.7	4251.8
15°	7867.4	7617.4	6957.0	6201.8	5462.2	4767.3	4169.0	3763.9	3513.8	3405.2	3406.9
17.5°	7874.3	7553.6	6739.8	5817.3	4957.0	4157.0	3507.0	3096.6	2860.4	2760.4	2762.1
20°	7851.8	7450.1	6470.8	5375.9	4429.4	3596.6	2967.3	2619.0	2439.7	2362.1	2362.1
22.5°	7822.5	7327.7	6167.3	4932.8	3908.7	3110.4	2581.1	2315.6	2212.1	2160.4	2158.7
25°	7836.3	7236.3	5857.0	4477.7	3429.4	2722.5	2324.2	2148.3	2079.3	2046.6	2044.9
27.5°	7910.5	7193.2	5570.8	4024.2	3010.4	2431.1	2151.8	2027.6	1982.8	1962.1	1962.1
30°	8045.0	7193.2	5272.5	3638.0	2662.1	2215.6	2019.0	1934.5	1903.5	1889.7	1889.7
32.5°	8279.4	7232.9	4984.6	3255.2	2384.5	2046.6	1908.7	1851.8	1827.6	1820.7	1820.7
35°	8682.9	7367.4	4703.5	2893.1	2160.4	1908.7	1803.5	1770.7	1753.5	1751.8	1756.9
37.5°	9250.1	7641.5	4439.7	2625.9	2001.8	1796.6	1715.5	1689.7	1679.3	1688.0	1694.9
40°	9963.9	8013.9	4200.1	2384.5	1881.1	1706.9	1634.5	1617.3	1612.1	1624.2	1634.5
42.5°	10826.0	8517.4	4003.5	2210.4	1788.0	1631.1	1565.5	1544.9	1539.7	1553.5	1567.3
45°	11758.8	9058.8	3865.6	2081.1	1715.5	1574.2	1505.2	1482.8	1472.4	1479.3	1494.9
47.5°	12607.1	9570.8	3810.4	1989.7	1646.6	1525.9	1451.7	1424.2	1406.9	1403.5	1415.5
50°	13322.6	9951.9	3836.3	1934.5	1591.4	1472.4	1400.0	1369.0	1343.1	1327.6	1336.2
52.5°	13843.3	10191.5	3860.4	1910.4	1548.3	1413.8	1343.1	1313.8	1279.3	1253.5	1253.5
55°	14220.9	10246.7	3807.0	1891.4	1515.5	1350.0	1279.3	1251.7	1217.3	1187.9	1184.5
57.5°	14369.2	10091.5	3608.7	1863.8	1493.1	1289.7	1212.1	1191.4	1162.1	1127.6	1125.9
60°	14169.2	9612.2	3225.9	1805.2	1463.8	1239.7	1144.8	1131.1	1117.3	1084.5	1082.8
62.5°	13365.7	8560.5	2731.1	1686.2	1405.2	1186.2	1082.8	1089.7	1091.4	1069.0	1065.5
65°	11908.8	7115.6	2248.3	1531.1	1317.3	1122.4	1019.0	1051.7	1070.7	1067.3	1062.1
67.5°	9791.5	5538.0	1905.2	1367.3	1201.7	1034.5	950.0	987.9	1003.5	1015.5	1012.1
70°	7267.4	3905.2	1575.9	1194.8	1062.1	931.0	860.4	879.3	869.0	882.8	887.9
72.5°	4051.8	2343.1	1284.5	1022.4	917.3	810.4	760.4	756.9	734.5	734.5	734.5
74°	2431.1	1719.0	1129.3	915.5	829.3	731.0	687.9	672.4	651.7	653.5	651.7
75°	1955.2	1477.6	1036.2	844.8	767.3	684.5	641.4	620.7	605.2	605.2	603.5
77.5°	1234.5	1122.4	834.5	672.4	613.8	563.8	534.5	506.9	506.9	505.2	503.5
80°	932.8	893.1	650.0	508.6	470.7	432.8	413.8	401.7	401.7	406.9	405.2
82.5°	639.7	672.4	456.9	355.2	336.2	308.6	305.2	306.9	301.7	294.8	293.1
85°	467.2	505.2	308.6	224.1	205.2	187.9	201.7	208.6	200.0	184.5	177.6
87.5°	179.3	331.0	165.5	93.1	86.2	74.1	86.2	89.7	96.6	75.9	77.6
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)