

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: P971046

Luminaire Tested: **NVN-SB6C-830-U-T2-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971046
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6C-830-U-T2-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30542.9 lumens
Efficiency: N/A
Efficacy: 101.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 300.9
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



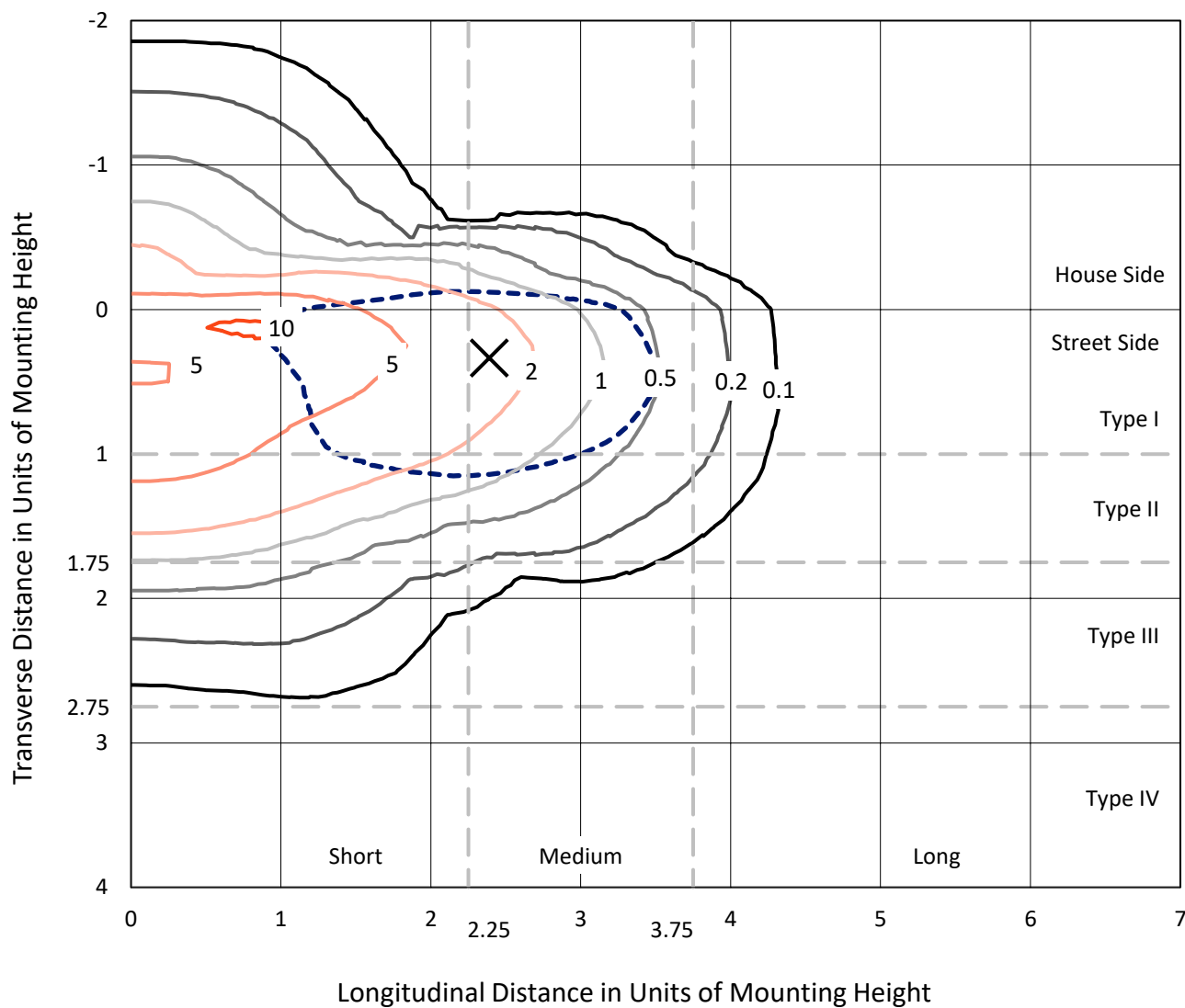
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Iso-Footcandle Lines of Horizontal Illumination

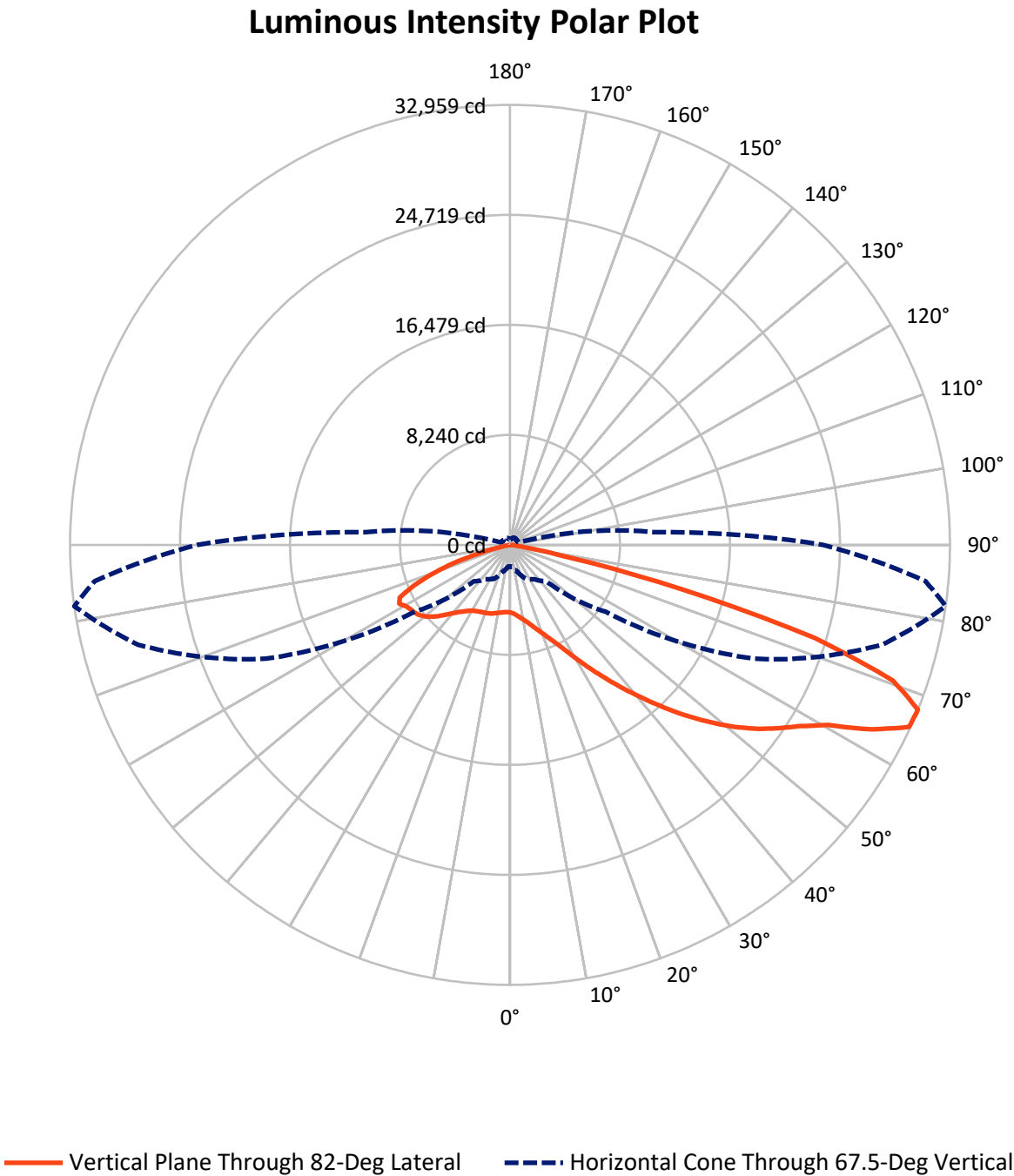
× Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
Type II - Medium - N/A

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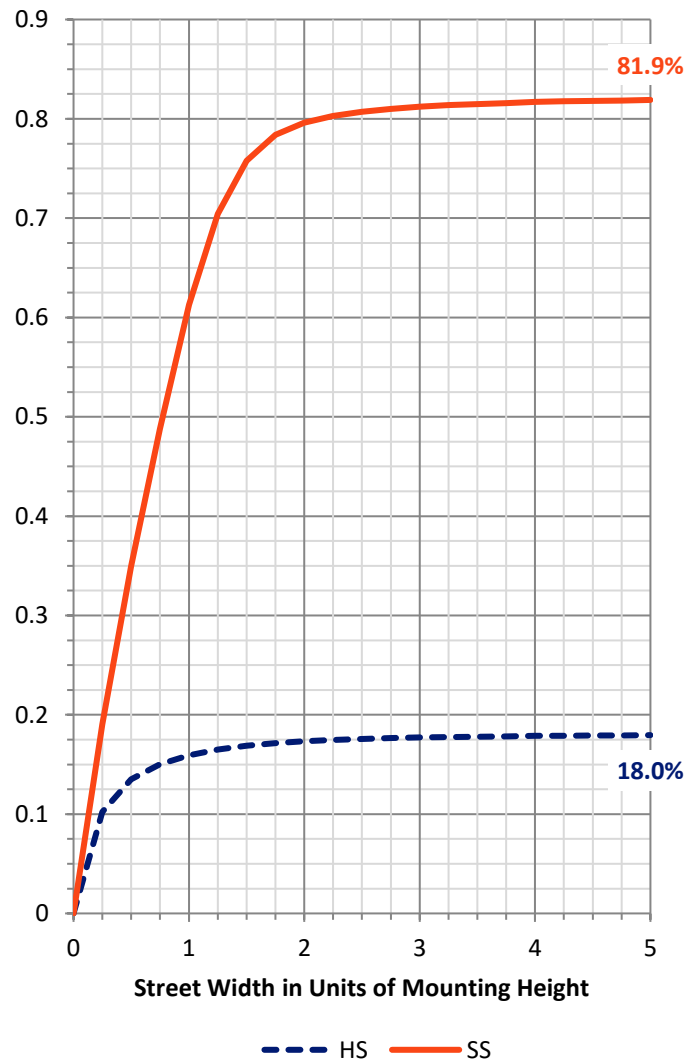
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5532.6	0.0	5532.6
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	25010.4	0.0	25010.4
	% Fixture	81.9	0.0	81.9
Total	Lumens	30542.9	0.0	30542.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	450.8	1.5
10°-20°	1171.5	3.8
20°-30°	1876.3	6.1
30°-40°	3317.9	10.9
40°-50°	5813.2	19.0
50°-60°	7753.2	25.4
60°-70°	7217.8	23.6
70°-80°	2770.2	9.1
80°-90°	172.1	0.6
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°	30542.9	100.0
0°-180°	30542.9	100.0

Coefficient of Utilization



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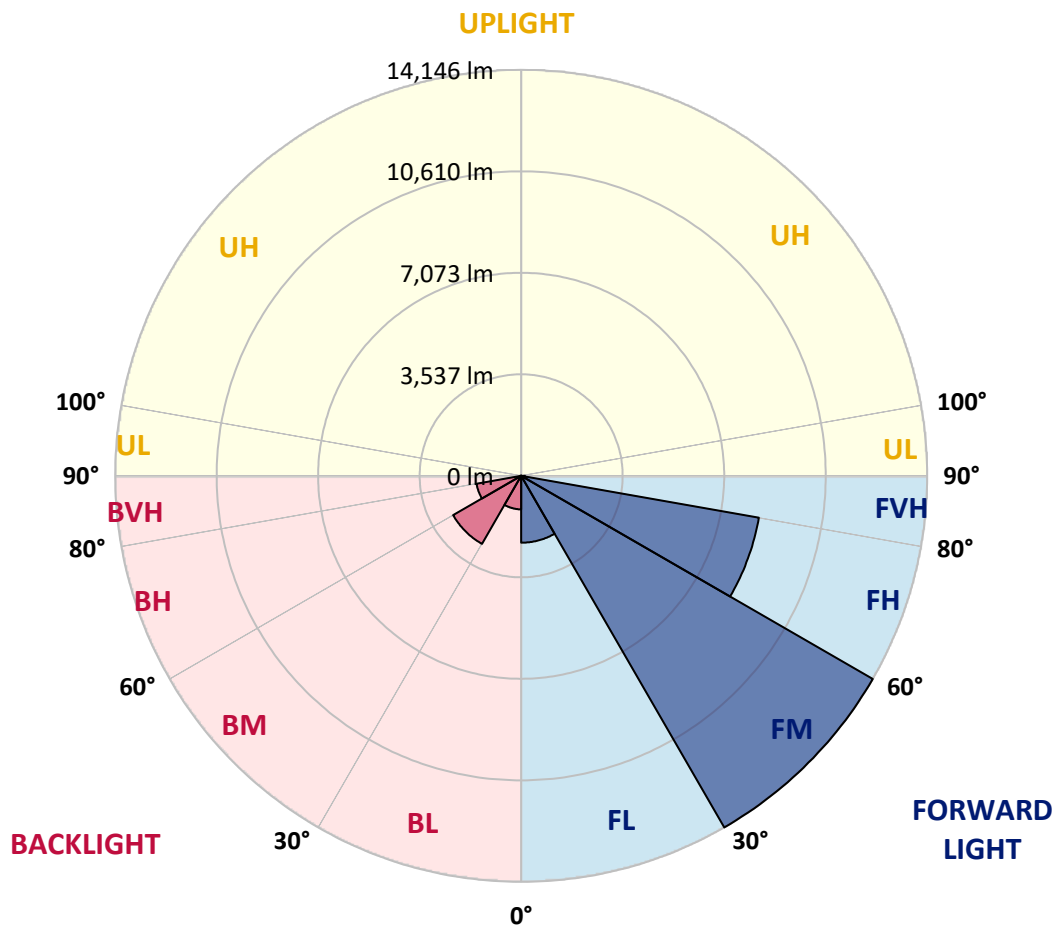
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2330.1	7.6			
FM	(30°-60°)	14146.2	46.3			
FH	(60°-80°)	8408.9	27.5			G4/12000
FVH	(80°-90°)	125.1	0.4			G2/225
BL	(0°-30°)	1168.5	3.8	B3/2500		
BM	(30°-60°)	2738.0	9.0	B3/5000		
BH	(60°-80°)	1579.1	5.2	B3/2500		G3/2500
BVH	(80°-90°)	47.0	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82°	85°
0°	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9
2.5°	5348.0	5378.8	5361.2	5352.4	5337.0	5315.0	5297.4	5242.5	5185.3	5147.9	5134.7
5°	5455.8	5486.5	5484.4	5493.2	5504.1	5510.7	5506.3	5444.8	5363.4	5299.7	5262.2
7.5°	5363.4	5398.6	5427.2	5471.1	5548.1	5629.5	5669.1	5655.8	5572.3	5484.4	5438.1
10°	5101.7	5139.1	5207.3	5310.6	5473.4	5649.3	5796.6	5864.7	5812.0	5715.2	5651.4
12.5°	4622.3	4659.8	4793.8	5018.2	5290.8	5596.5	5878.0	6060.5	6073.6	5976.9	5902.2
15°	4083.6	4120.9	4263.9	4545.4	4961.0	5451.4	5921.9	6267.2	6383.7	6300.2	6210.1
17.5°	3749.3	3782.4	3890.1	4116.6	4549.8	5161.1	5906.6	6487.1	6753.2	6687.2	6579.5
20°	3648.2	3676.8	3727.3	3885.7	4246.3	4859.8	5805.4	6693.8	7151.2	7113.8	6992.9
22.5°	3755.9	3782.4	3797.7	3868.0	4094.6	4661.9	5677.9	6904.9	7613.0	7617.4	7470.1
25°	4004.4	4030.8	4013.2	4057.2	4156.2	4600.3	5629.5	7153.4	8193.5	8241.9	8074.7
27.5°	4413.4	4415.6	4373.9	4371.6	4387.0	4692.7	5680.0	7419.5	8925.8	9016.0	8809.3
30°	5233.6	5200.6	5040.1	4866.4	4787.3	4969.8	5820.8	7733.9	9790.0	9950.5	9691.1
32.5°	6498.1	6449.7	6155.0	5739.4	5321.6	5416.2	6073.6	8092.4	10731.2	11021.4	10704.8
35°	7870.3	7857.0	7549.2	6931.3	6201.2	6051.7	6484.9	8563.0	11758.1	12219.9	11843.9
37.5°	9145.7	9139.1	8963.2	8235.3	7346.9	6937.9	7144.6	9178.7	12857.6	13526.1	13082.0
40°	10311.2	10331.0	10155.1	9504.1	8609.2	8074.7	8041.8	9939.5	14080.3	14948.9	14421.1
42.5°	11318.4	11340.3	11162.2	10680.6	9856.0	9332.6	9143.5	10872.0	15274.3	16477.2	15852.6
45°	12002.2	12138.6	12112.2	11727.3	11135.8	10592.7	10467.3	12041.8	16635.5	18097.9	17365.7
47.5°	12195.8	12321.1	12519.0	12571.7	12211.1	11676.8	11826.3	13451.4	18012.1	19720.8	18887.4
50°	11718.5	11835.1	12246.3	12793.8	13044.6	12879.6	13147.9	14962.1	19421.7	21339.3	20380.5
52.5°	10777.4	10896.2	11415.1	12281.4	13304.1	13823.0	14473.9	16450.8	20787.3	22872.0	21794.5
55°	9416.2	9541.5	10207.9	11188.6	12809.2	14212.2	15580.0	17937.4	22038.5	24250.8	23069.9
57.5°	7564.6	7657.0	8349.6	9721.8	11564.7	13825.2	16395.9	19560.3	23217.2	25605.3	24334.3
60°	4930.1	5011.5	5816.4	7346.9	9502.0	12532.2	16558.6	21370.0	24782.9	27366.8	26038.5
62.5°	3278.8	3333.7	3810.8	4934.6	6691.6	10049.5	15606.4	22814.8	27078.7	30432.1	28961.1
65°	2249.6	2304.6	2781.7	3564.6	4323.2	6647.6	12868.7	22623.5	29158.9	32866.5	31127.1
67.5°	1605.3	1651.5	2056.0	2795.0	3129.2	3861.5	8723.5	20178.1	28859.9	32958.9	31243.6
70°	1150.0	1176.5	1510.7	2177.0	2487.1	2320.0	4851.0	15432.7	25268.9	30434.4	28864.3
72.5°	804.8	813.6	1048.9	1658.0	2003.3	1693.2	2308.9	10289.2	19111.6	23887.9	22377.2
75°	545.4	556.4	705.9	1216.1	1607.5	1293.0	1222.6	5517.4	11219.3	13222.7	11852.7
77.5°	334.3	338.7	455.2	831.3	1202.8	985.1	787.2	2337.5	4340.9	4261.6	3632.8
80°	189.1	189.1	290.3	516.8	820.2	635.5	552.0	993.9	1374.4	1207.2	1064.4
82.5°	105.6	107.7	211.2	321.0	543.1	376.1	303.5	459.6	593.8	525.5	457.4
85°	44.0	48.4	129.8	151.7	259.5	187.0	123.1	193.5	219.9	195.7	142.9
87.5°	4.4	6.6	39.6	28.6	30.7	37.4	17.6	37.4	30.7	30.7	22.0
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°	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9	5059.9
2.5°	5092.9	5059.9	4976.4	4879.6	4752.1	4690.5	4607.0	4549.8	4501.4	4505.8	4461.8
5°	5191.8	5108.3	4921.4	4688.3	4398.1	4191.3	3971.5	3819.7	3696.6	3670.1	3610.8
7.5°	5328.3	5196.2	4868.6	4448.6	3958.2	3586.6	3254.6	3041.3	2889.5	2841.1	2792.7
10°	5504.1	5312.8	4800.5	4147.4	3441.4	2968.7	2612.4	2445.3	2341.9	2306.8	2280.4
12.5°	5708.6	5447.0	4710.3	3780.1	2909.3	2454.1	2227.6	2144.0	2111.1	2100.0	2093.5
15°	5965.9	5614.1	4574.0	3344.7	2458.5	2139.7	2042.9	2031.9	2036.3	2031.9	2029.7
17.5°	6271.6	5796.6	4351.8	2896.1	2155.1	1979.1	1943.9	1952.7	1963.7	1961.5	1957.1
20°	6605.8	5976.9	4068.2	2498.1	1948.3	1864.8	1845.0	1853.8	1862.5	1858.1	1856.0
22.5°	6986.3	6170.4	3753.8	2188.1	1809.7	1759.2	1737.3	1739.4	1739.4	1730.6	1726.2
25°	7441.5	6383.7	3423.9	1968.1	1704.3	1664.7	1638.3	1629.4	1616.3	1589.9	1585.5
27.5°	7984.6	6610.2	3107.2	1814.1	1620.6	1583.3	1552.5	1530.5	1497.5	1453.6	1449.1
30°	8596.0	6885.1	2838.9	1717.4	1554.7	1517.3	1482.1	1449.1	1400.8	1345.8	1341.4
32.5°	9315.0	7179.8	2643.2	1653.6	1495.4	1455.7	1414.0	1374.4	1321.6	1266.6	1268.8
35°	10172.6	7536.0	2528.9	1609.7	1449.1	1396.4	1350.2	1306.3	1266.6	1218.2	1213.8
37.5°	11102.8	7914.2	2493.7	1587.7	1418.4	1337.0	1284.2	1253.5	1249.1	1220.5	1218.2
40°	12120.9	8362.9	2520.1	1574.5	1385.4	1279.8	1222.6	1216.1	1227.0	1176.5	1178.6
42.5°	13198.5	8895.1	2564.0	1559.1	1339.2	1222.6	1167.7	1167.7	1158.9	1088.6	1088.6
45°	14363.9	9508.5	2608.0	1521.7	1284.2	1165.5	1123.7	1108.3	1070.9	1002.8	1000.5
47.5°	15538.3	10133.0	2641.0	1453.6	1218.2	1117.1	1079.7	1044.6	989.5	928.0	925.8
50°	16653.2	10693.8	2605.9	1352.4	1143.5	1070.9	1031.4	983.0	923.6	881.8	875.2
52.5°	17649.3	11179.8	2456.3	1233.7	1064.4	1022.5	987.4	936.7	888.4	844.4	840.0
55°	18515.7	11573.4	2192.4	1121.5	993.9	980.7	945.6	881.8	815.8	778.5	774.1
57.5°	19347.0	11872.5	1862.5	1029.1	930.2	934.6	881.8	824.6	763.0	723.4	719.0
60°	20453.1	12272.7	1528.3	943.4	862.0	875.2	818.1	776.2	699.3	648.7	642.2
62.5°	22221.1	12895.0	1213.8	837.8	782.9	787.2	763.0	712.5	620.1	560.8	556.4
65°	23624.0	12666.3	956.5	723.4	692.7	699.3	699.3	644.3	545.4	477.1	470.6
67.5°	23465.7	10845.5	763.0	611.3	606.9	611.3	626.7	580.6	483.8	428.8	420.0
70°	21616.3	8626.7	611.3	508.0	527.8	516.8	560.8	529.9	435.4	380.5	373.8
72.5°	17638.3	6214.4	466.2	420.0	404.6	422.2	505.7	477.1	362.8	301.2	294.7
75°	10306.8	3316.1	347.5	332.1	292.4	351.9	448.6	406.8	277.1	222.1	215.5
77.5°	3355.7	1156.7	255.1	244.1	217.7	283.7	382.6	343.1	226.5	175.9	169.3
80°	899.4	349.6	173.7	160.5	140.7	211.2	303.5	272.6	162.8	114.4	112.1
82.5°	360.6	147.3	101.2	90.2	77.0	145.1	239.6	219.9	121.0	72.6	72.6
85°	116.5	48.4	37.4	28.6	35.2	90.2	142.9	149.5	85.8	37.4	28.6
87.5°	15.4	6.6	6.6	8.8	6.6	15.4	44.0	41.8	24.2	4.4	0.0
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)