

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: P1211188

Luminaire Tested: **ARCH4-200-722-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211188
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-200-722-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 800mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19000 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 203.7
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



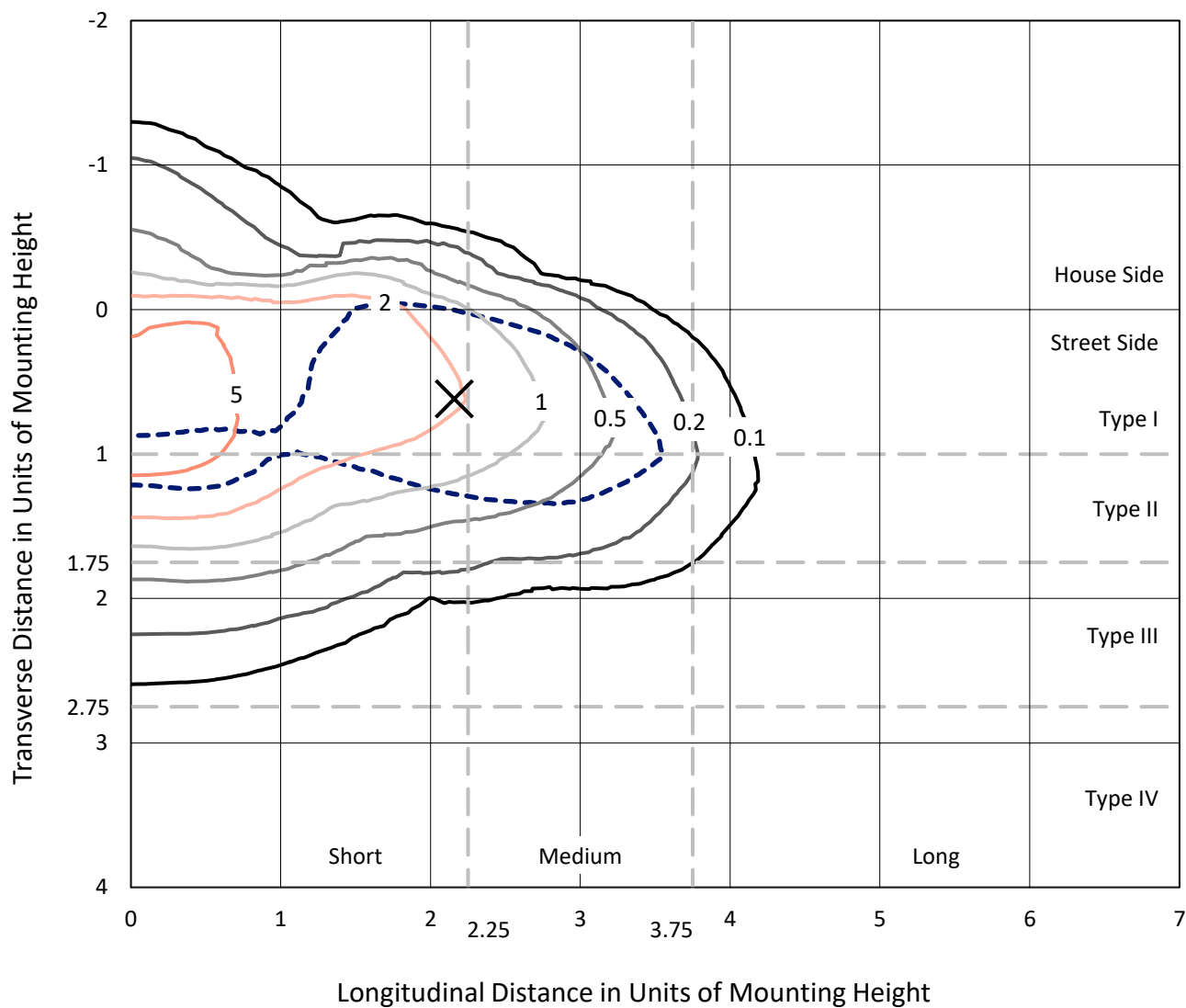
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Iso-Footcandle Lines of Horizontal Illumination

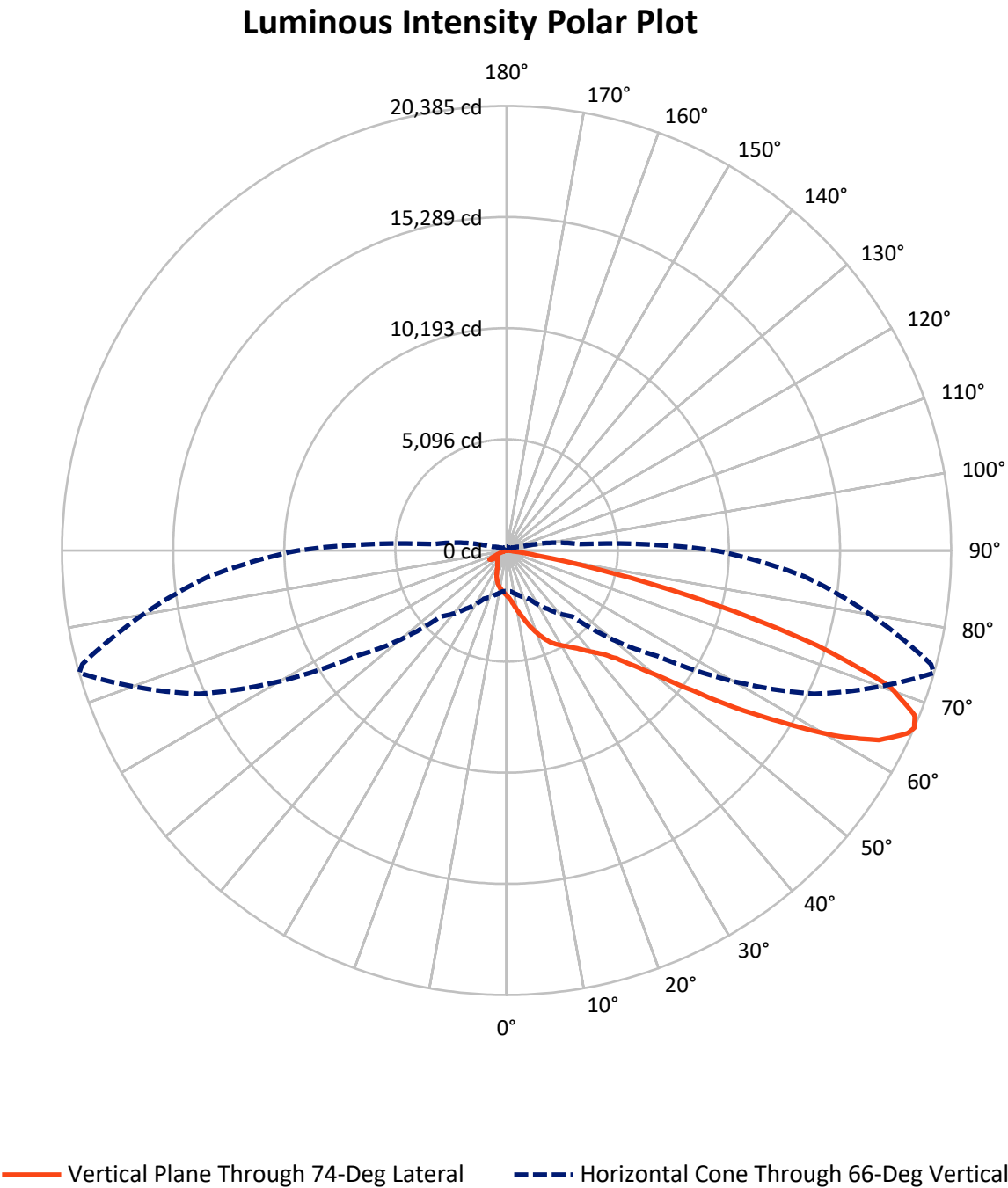
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type II - Short - N/A

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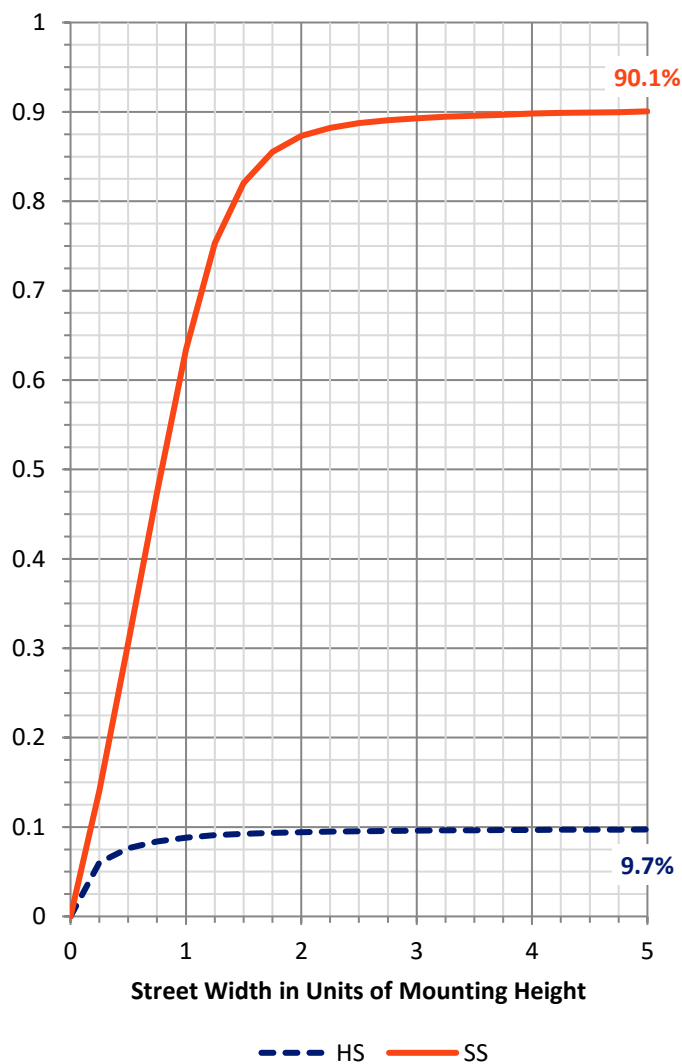
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1862.6	0.0	1862.6
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	17137.4	0.0	17137.4
	% Fixture	90.2	0.0	90.2
Total	Lumens	19000.0	0.0	19000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.4	1.1
10°-20°	649.0	3.4
20°-30°	1238.5	6.5
30°-40°	2170.9	11.4
40°-50°	3722.4	19.6
50°-60°	4841.3	25.5
60°-70°	4382.6	23.1
70°-80°	1691.0	8.9
80°-90°	101.8	0.5
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°	19000.0	100.0
0°-180°	19000.0	100.0

Coefficient of Utilization



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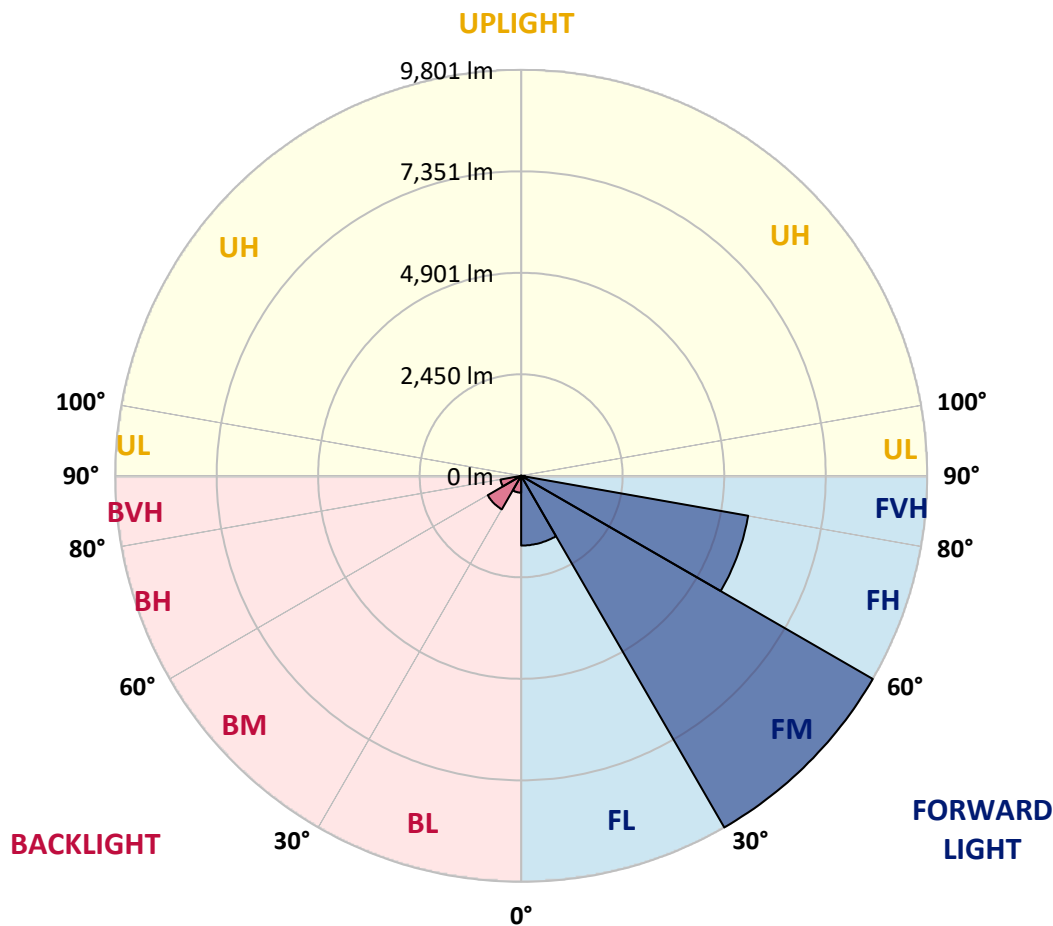
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1683.7	8.9			
FM	(30°-60°)	9801.2	51.6			
FH	(60°-80°)	5564.4	29.3			G3/7500
FVH	(80°-90°)	88.1	0.5			G1/100
BL	(0°-30°)	406.3	2.1	B1/500		
BM	(30°-60°)	933.5	4.9	B1/1000		
BH	(60°-80°)	509.2	2.7	B2/1000		G2/1000
BVH	(80°-90°)	13.6	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0
2.5°	2490.2	2469.7	2432.2	2428.8	2398.1	2360.6	2295.7	2227.5	2179.8	2172.9	2114.9
5°	2981.4	2971.2	2933.6	2909.8	2851.8	2763.1	2613.0	2462.9	2336.7	2323.0	2193.4
7.5°	3111.0	3117.8	3124.7	3148.5	3128.1	3087.1	2974.6	2763.1	2565.2	2534.5	2309.4
10°	3131.5	3124.7	3124.7	3155.4	3213.4	3271.3	3257.7	3076.9	2821.1	2783.5	2469.7
12.5°	3353.2	3363.5	3339.6	3325.9	3315.7	3346.4	3448.7	3370.3	3090.6	3059.9	2664.2
15°	3639.8	3636.3	3602.2	3602.2	3571.5	3520.4	3585.2	3643.2	3414.6	3377.1	2885.9
17.5°	3847.8	3861.5	3858.1	3878.5	3868.3	3800.1	3766.0	3885.4	3748.9	3701.2	3138.3
20°	4015.0	4052.5	4066.2	4131.0	4161.7	4113.9	4025.2	4100.3	4069.6	4025.2	3394.2
22.5°	4192.4	4223.1	4247.0	4359.5	4444.8	4434.6	4322.0	4304.9	4380.0	4339.1	3646.6
25°	4369.8	4383.4	4455.0	4591.5	4727.9	4762.0	4646.1	4513.0	4659.7	4622.2	3871.7
27.5°	4564.2	4571.0	4656.3	4823.4	5014.5	5086.1	4994.0	4748.4	4874.6	4874.6	4076.4
30°	4919.0	4987.2	5021.3	5171.4	5338.5	5437.5	5328.3	4997.4	5065.6	5096.3	4291.3
32.5°	5683.1	5693.3	5683.1	5747.9	5782.0	5840.0	5713.8	5277.1	5260.1	5294.2	4502.8
35°	6849.7	6808.8	6699.6	6604.1	6406.2	6297.1	6133.4	5635.3	5498.9	5546.6	4710.9
37.5°	8265.4	8207.4	7958.3	7665.0	7242.0	6805.4	6600.7	6071.9	5802.5	5863.9	4936.0
40°	9616.2	9578.7	9281.9	8920.3	8197.1	7450.1	7016.9	6440.4	6140.2	6164.1	5164.6
42.5°	10728.2	10721.4	10472.4	10093.8	9165.9	8146.0	7508.1	6801.9	6494.9	6532.5	5403.4
45°	11570.8	11506.0	11321.8	11048.9	10104.0	8869.1	8101.6	7351.2	7064.6	7109.0	5761.5
47.5°	11570.8	11581.0	11700.4	11673.2	10758.9	9548.0	8749.7	8043.6	7907.2	7948.1	6351.7
50°	10629.3	10724.8	11257.0	11703.9	11100.1	10076.7	9449.0	8910.1	9049.9	9111.3	7381.9
52.5°	8766.8	8927.1	9851.6	10871.5	10847.6	10342.8	10172.2	10011.9	10639.6	10748.7	8903.3
55°	6662.1	6767.8	7972.0	9312.6	9749.2	10124.5	10803.3	11410.5	12744.3	12720.4	10448.5
57.5°	4977.0	5075.9	6112.9	7600.2	8176.7	9179.6	11127.4	13010.3	14831.9	14924.0	11898.3
60°	3660.2	3735.3	4618.8	5840.0	6672.3	7733.2	10997.7	14586.3	17236.8	17131.1	13177.5
62.5°	2708.5	2749.4	3387.3	4182.1	5287.4	6300.5	10182.5	15664.3	19157.3	18942.4	13890.4
65°	2094.5	2108.1	2439.0	2862.0	3844.4	4898.5	8968.1	15828.0	20218.2	19989.7	13876.8
66°	1865.9	1876.2	2118.4	2445.8	3271.3	4287.9	8435.9	15565.3	20385.4	20143.2	13706.2
67.5°	1565.7	1558.9	1702.2	1917.1	2456.1	3308.9	7491.0	14797.8	20187.5	20064.7	13160.4
70°	1159.8	1163.2	1234.9	1286.0	1436.1	1831.8	5410.2	12836.4	18604.7	18597.9	11662.9
72.5°	859.6	869.9	924.4	934.7	897.1	992.7	3117.8	10209.7	14883.1	14886.5	8719.0
75°	644.7	661.8	678.8	685.7	651.5	627.7	1408.8	6870.2	9790.2	9718.5	4936.0
77.5°	491.2	498.0	511.7	501.4	494.6	433.2	586.7	3349.8	4833.7	4403.9	1599.9
80°	358.2	358.2	371.8	358.2	354.8	310.4	320.7	1074.5	1419.1	1180.3	344.5
82.5°	225.1	221.7	232.0	228.6	221.7	197.9	187.6	300.2	327.5	293.4	167.1
85°	126.2	122.8	119.4	116.0	105.7	88.7	102.3	112.6	150.1	153.5	119.4
87.5°	44.3	44.3	40.9	37.5	30.7	30.7	37.5	37.5	54.6	54.6	61.4
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°	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0	2074.0
2.5°	2087.7	2050.1	1995.6	1923.9	1872.8	1821.6	1767.0	1736.3	1692.0	1681.7	1695.4
5°	2125.2	2057.0	1920.5	1770.4	1640.8	1524.8	1415.7	1350.8	1286.0	1262.1	1272.4
7.5°	2203.6	2087.7	1855.7	1613.5	1398.6	1224.6	1095.0	1020.0	962.0	938.1	944.9
10°	2319.6	2142.2	1794.3	1436.1	1159.8	975.6	866.4	818.7	784.6	770.9	774.3
12.5°	2459.5	2220.7	1715.8	1258.7	955.1	794.8	743.6	733.4	726.6	719.8	723.2
15°	2616.4	2288.9	1623.7	1084.8	794.8	706.1	689.1	685.7	682.2	682.2	682.2
17.5°	2780.1	2350.3	1521.4	921.0	692.5	651.5	641.3	641.3	641.3	644.7	644.7
20°	2933.6	2398.1	1402.0	774.3	634.5	600.4	593.6	593.6	597.0	600.4	600.4
22.5°	3083.7	2418.5	1262.1	672.0	586.7	556.0	545.8	545.8	545.8	549.2	549.2
25°	3213.4	2418.5	1122.3	607.2	545.8	515.1	501.4	498.0	501.4	501.4	501.4
27.5°	3322.5	2408.3	985.8	562.8	504.9	474.2	460.5	457.1	463.9	467.3	467.3
30°	3438.5	2394.7	876.7	521.9	470.7	440.0	426.4	426.4	436.6	450.3	450.3
32.5°	3551.1	2404.9	791.4	487.8	436.6	412.8	399.1	402.5	423.0	443.5	443.5
35°	3670.5	2425.4	740.2	463.9	412.8	388.9	378.6	388.9	409.3	429.8	429.8
37.5°	3789.9	2449.2	709.5	443.5	392.3	368.4	361.6	375.2	399.1	419.6	423.0
40°	3916.1	2469.7	675.4	423.0	378.6	351.4	347.9	361.6	392.3	412.8	416.2
42.5°	4073.0	2510.6	634.5	405.9	365.0	330.9	334.3	344.5	375.2	405.9	409.3
45°	4380.0	2640.3	593.6	388.9	347.9	320.7	313.8	320.7	354.8	388.9	395.7
47.5°	4956.5	2933.6	549.2	371.8	330.9	313.8	286.5	293.4	324.1	361.6	365.0
50°	6061.7	3557.9	525.3	354.8	317.2	290.0	259.3	259.3	283.1	317.2	317.2
52.5°	7784.4	4676.8	539.0	341.1	300.2	266.1	235.4	232.0	245.6	269.5	269.5
55°	9643.5	5904.8	590.1	327.5	279.7	252.4	218.3	201.3	211.5	225.1	225.1
57.5°	11117.1	6522.2	730.0	320.7	255.8	242.2	197.9	174.0	184.2	197.9	197.9
60°	11765.3	6160.6	886.9	327.5	238.8	225.1	177.4	153.5	170.6	184.2	187.6
62.5°	11239.9	5072.5	951.7	310.4	214.9	201.3	174.0	143.3	163.7	174.0	177.4
65°	10104.0	3854.7	743.6	269.5	197.9	174.0	156.9	136.4	153.5	163.7	163.7
66°	9565.0	3360.0	634.5	249.0	191.0	163.7	150.1	136.4	150.1	156.9	160.3
67.5°	8729.3	2650.5	470.7	218.3	177.4	150.1	139.9	129.6	143.3	150.1	150.1
70°	6825.8	1579.4	283.1	170.6	153.5	133.0	126.2	119.4	129.6	133.0	133.0
72.5°	4274.2	750.5	180.8	126.2	129.6	126.2	105.7	112.6	116.0	119.4	119.4
75°	2070.6	296.8	122.8	92.1	105.7	119.4	85.3	98.9	102.3	109.2	105.7
77.5°	576.5	143.3	78.5	68.2	92.1	92.1	64.8	78.5	92.1	116.0	105.7
80°	167.1	92.1	51.2	51.2	64.8	64.8	44.3	54.6	61.4	68.2	71.6
82.5°	116.0	61.4	34.1	37.5	37.5	40.9	27.3	27.3	34.1	34.1	37.5
85°	92.1	27.3	20.5	23.9	17.1	20.5	13.6	13.6	17.1	13.6	13.6
87.5°	37.5	13.6	13.6	13.6	10.2	10.2	6.8	3.4	3.4	3.4	3.4
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)