

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1208764

Luminaire Tested: UPW-SA2-070-727-U-T4W-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-19)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-727-U-T4W-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV WIDE OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5895 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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: 28.75 FT

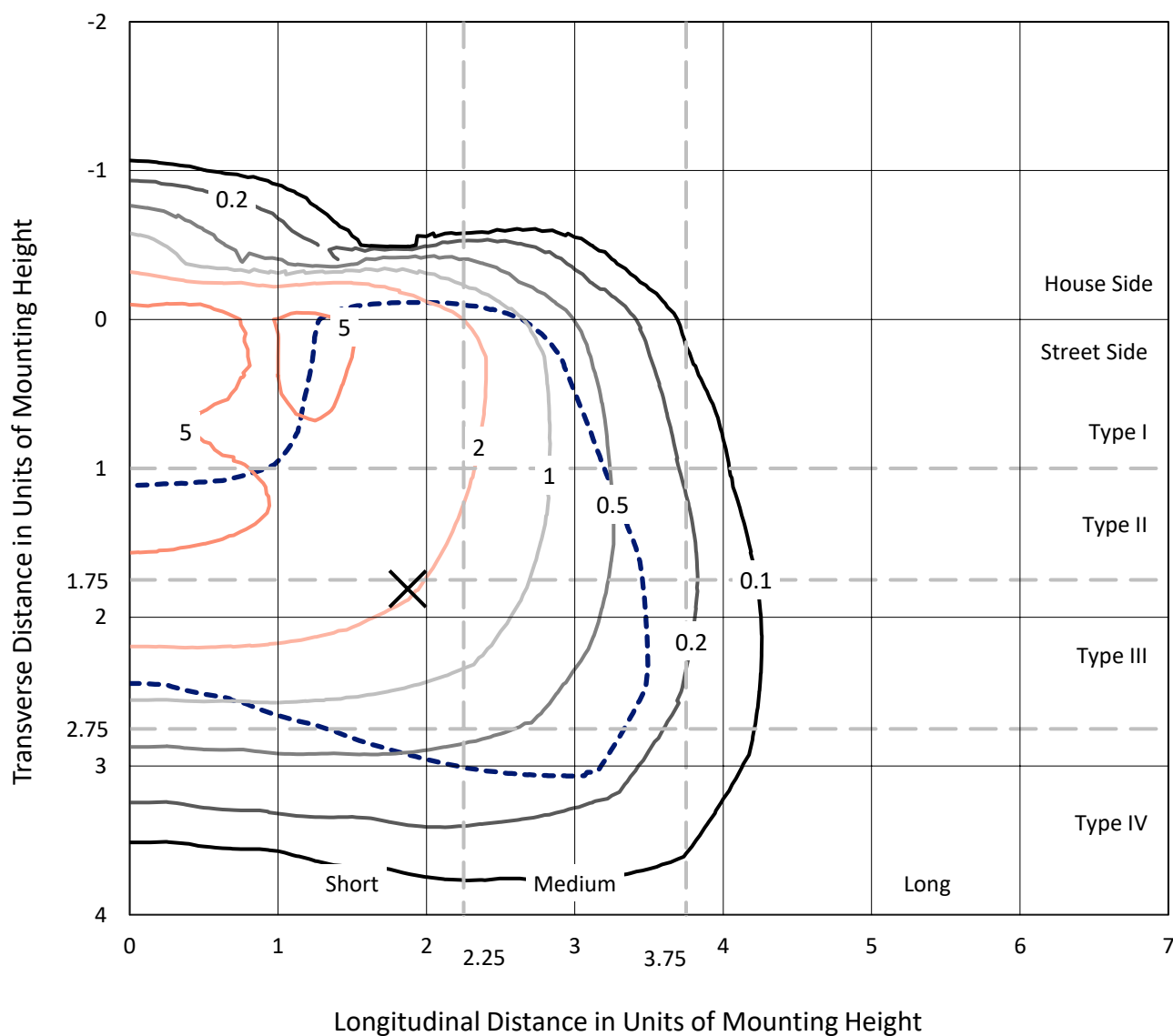


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

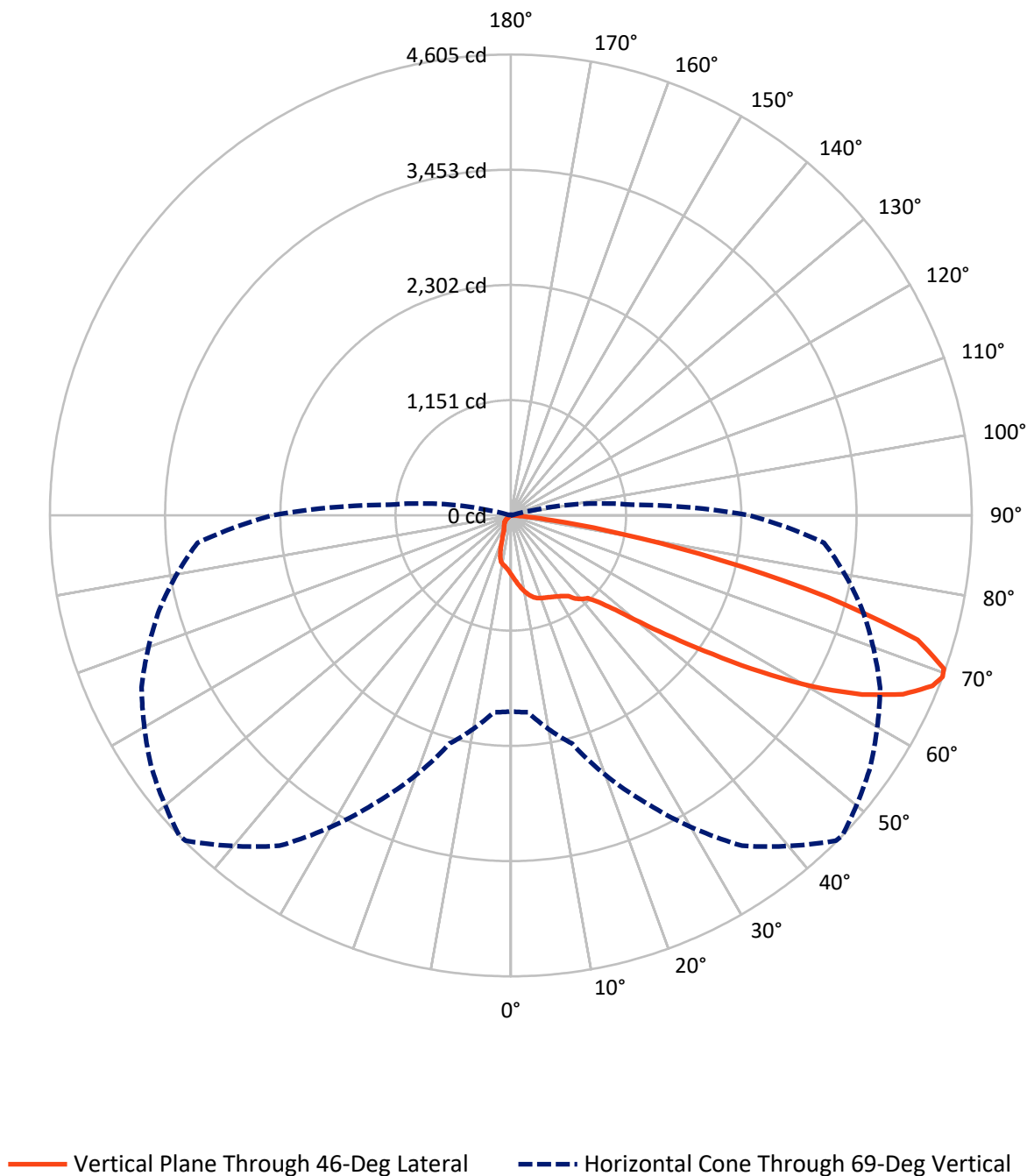


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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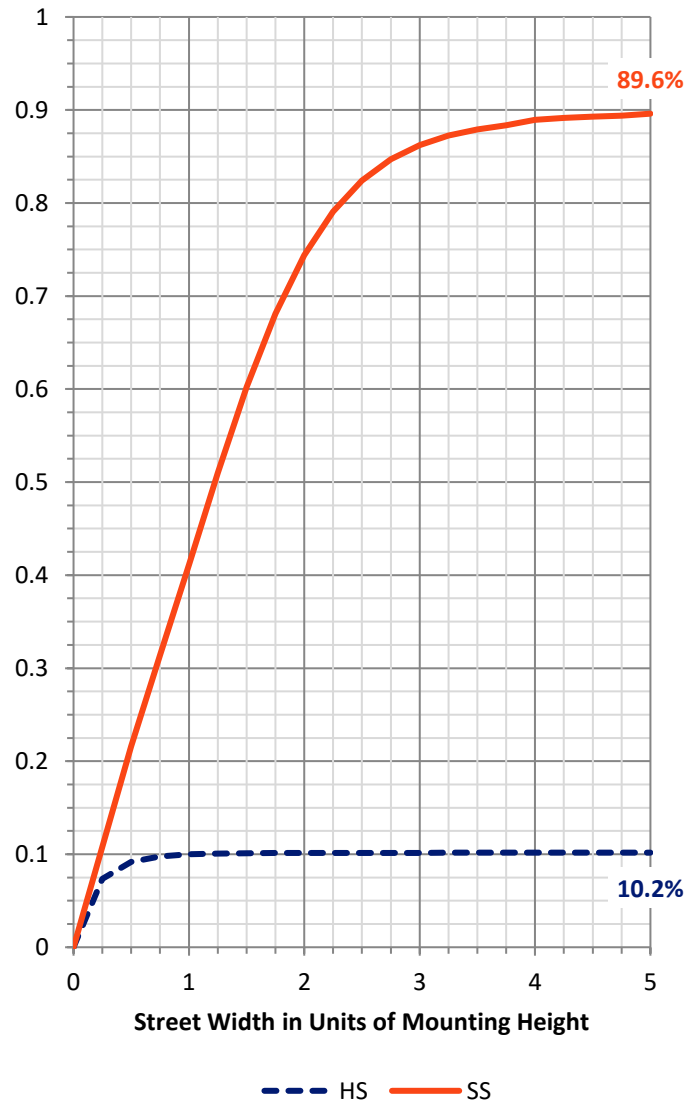
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	605.0	0.0	605.0
	% Fixture	10.3	0.0	10.3
Street Side	Lumens	5290.0	0.0	5290.0
	% Fixture	89.7	0.0	89.7
Total	Lumens	5895.0	0.0	5895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	1.0
10°-20°	178.4	3.0
20°-30°	280.5	4.8
30°-40°	402.2	6.8
40°-50°	695.2	11.8
50°-60°	1373.5	23.3
60°-70°	1919.5	32.6
70°-80°	927.3	15.7
80°-90°	59.6	1.0
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°	5895.0	100.0
0°-180°	5895.0	100.0

Coefficient of Utilization



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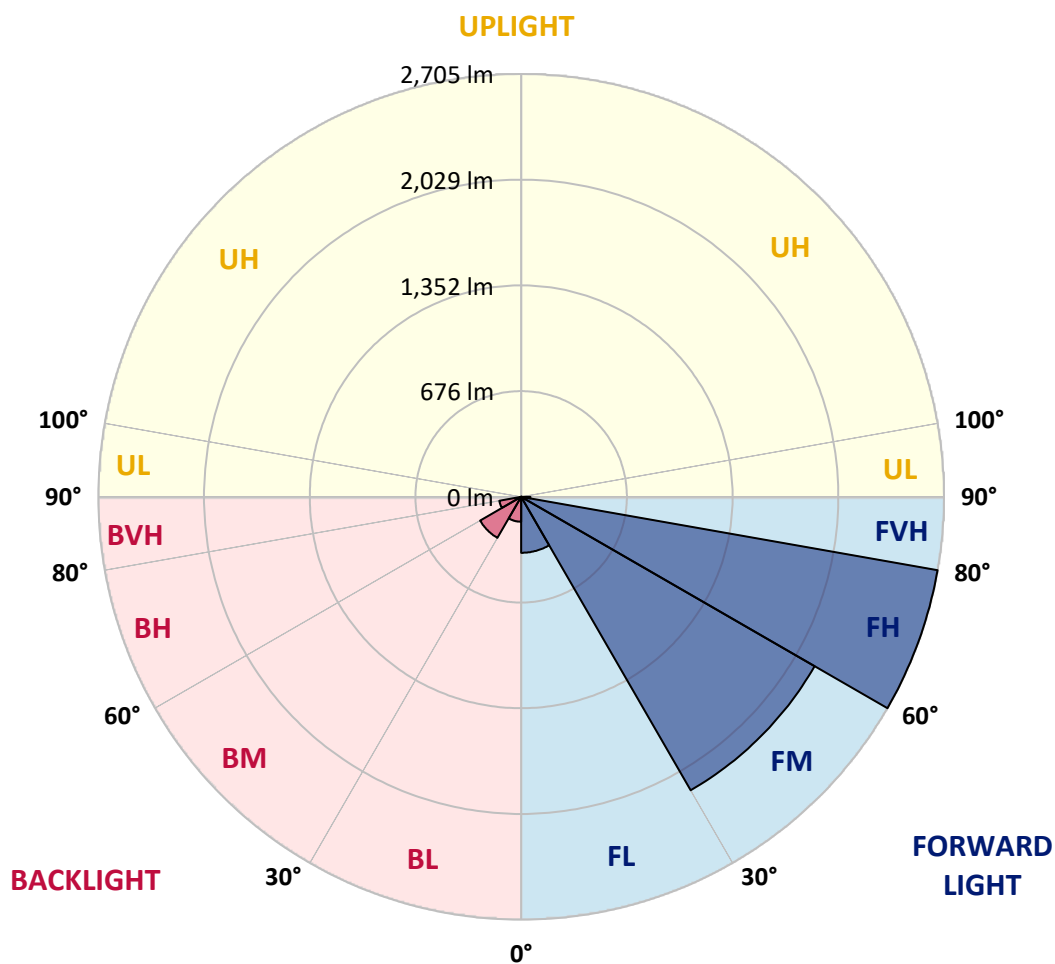
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	358.2	6.1			
FM	(30°-60°)	2167.7	36.8			
FH	(60°-80°)	2705.0	45.9			G2/5000
FVH	(80°-90°)	59.1	1.0			G1/100
BL	(0°-30°)	159.5	2.7	B1/500		
BM	(30°-60°)	303.2	5.1	B1/1000		
BH	(60°-80°)	141.9	2.4	B1/500		G1/500
BVH	(80°-90°)	0.5	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	656.2	655.3	651.5	649.8	640.4	634.9	632.7	625.8	615.8	605.9	594.8
5°	730.8	730.5	723.3	716.4	698.7	682.1	679.1	663.1	640.7	619.7	598.7
7.5°	807.1	803.5	796.3	783.0	757.3	730.8	728.3	705.6	673.9	643.4	613.3
10°	871.8	869.5	860.1	840.0	809.8	779.7	776.7	748.8	712.8	675.5	637.1
12.5°	922.1	920.4	908.0	882.8	850.7	819.5	815.4	790.5	752.1	710.3	665.0
15°	952.7	951.9	936.7	909.9	878.4	851.3	847.7	825.9	790.2	746.5	695.4
17.5°	959.9	960.2	944.4	917.4	891.4	872.0	869.3	852.7	822.8	779.4	725.8
20°	943.9	947.2	933.1	909.6	893.6	883.4	881.1	871.2	846.0	805.1	750.1
22.5°	921.2	922.9	913.2	897.5	890.8	892.8	891.7	886.1	864.8	827.3	774.2
25°	907.4	907.4	901.6	888.3	892.8	904.6	904.9	903.8	887.0	854.3	803.5
27.5°	906.9	905.2	898.6	888.6	900.8	919.0	920.1	927.6	917.1	887.2	840.0
30°	929.0	927.0	912.9	899.9	915.4	935.0	937.8	954.1	948.9	922.9	880.6
32.5°	980.7	973.7	942.5	921.2	932.8	956.3	959.9	985.9	994.2	966.8	919.8
35°	1051.4	1029.6	984.5	961.6	962.7	987.3	990.6	1028.7	1053.3	1007.2	950.2
37.5°	1149.0	1138.2	1065.0	1003.6	1008.6	1045.9	1055.6	1097.0	1090.1	1029.3	984.8
40°	1362.9	1346.0	1268.1	1121.3	1052.5	1093.4	1096.5	1118.6	1119.1	1079.3	1056.7
42.5°	1654.2	1647.3	1565.2	1335.0	1139.0	1125.2	1130.7	1168.0	1209.8	1184.9	1183.8
45°	1976.8	1973.2	1886.1	1618.6	1314.0	1229.4	1236.3	1286.3	1366.2	1371.8	1406.9
47.5°	2236.3	2234.7	2184.6	1935.0	1581.8	1406.0	1408.2	1461.3	1601.7	1671.1	1727.2
50°	2472.9	2480.9	2441.4	2277.5	1946.7	1682.7	1677.4	1712.8	1938.4	2052.0	2121.6
52.5°	2801.8	2813.2	2702.3	2597.0	2329.5	2026.0	2021.8	2058.9	2343.0	2428.1	2440.6
55°	3092.3	3073.0	2985.3	2954.9	2796.3	2450.0	2448.9	2481.5	2734.4	2770.6	2793.5
57.5°	3220.6	3213.1	3255.4	3325.0	3285.2	2951.1	2948.6	2923.7	3084.6	3088.4	3158.9
60°	3301.5	3310.7	3440.3	3655.1	3754.3	3490.3	3474.3	3322.5	3419.0	3410.4	3485.9
62.5°	3240.7	3258.7	3492.0	3849.9	4105.3	3961.0	3938.4	3687.9	3704.8	3675.2	3745.4
65°	2917.9	2945.8	3328.1	3813.2	4279.4	4328.9	4306.0	4010.5	3931.7	3883.1	3844.1
67.5°	2369.3	2385.8	2785.0	3493.4	4200.9	4548.4	4543.7	4293.2	4103.1	3848.0	3545.6
69°	1958.0	1974.3	2358.5	3156.7	4028.2	4595.3	4604.5	4383.9	4070.5	3634.6	3141.5
70°	1658.4	1675.8	2033.7	2868.2	3827.8	4573.5	4589.8	4375.3	3977.1	3387.5	2786.9
72.5°	869.8	884.7	1252.1	1976.0	3120.5	4199.6	4249.0	4005.5	3371.2	2460.2	1647.9
75°	273.4	281.9	488.9	1032.9	2136.5	3265.3	3276.7	3142.1	2393.9	1353.2	686.3
77.5°	104.2	101.7	162.8	380.6	1080.2	2056.1	2125.5	1963.5	1256.2	478.4	158.4
80°	56.1	56.4	84.6	157.5	462.1	1056.7	1115.3	951.6	446.4	149.3	36.5
82.5°	24.3	25.4	47.5	83.5	212.3	389.7	419.0	348.8	170.5	100.3	13.5
85°	5.3	5.8	22.9	45.3	86.5	109.5	114.7	113.0	108.6	77.9	5.3
87.5°	0.0	0.0	10.2	16.3	21.8	24.9	21.8	28.5	60.0	52.5	2.8
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°	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7	590.7
2.5°	591.2	586.2	577.7	568.3	561.6	554.7	549.2	546.7	543.9	542.0	544.5
5°	590.1	580.4	563.8	547.8	536.2	526.8	519.1	516.0	513.0	510.8	510.5
7.5°	599.8	586.2	560.8	537.3	519.3	506.6	496.1	491.7	488.1	486.5	485.1
10°	618.3	600.9	566.9	536.2	513.0	491.4	468.8	451.4	440.0	434.8	432.8
12.5°	642.3	620.5	578.5	542.0	508.3	466.8	418.7	377.3	350.5	341.6	336.4
15°	670.5	643.4	593.7	549.5	491.2	415.4	333.9	279.7	254.8	249.9	244.3
17.5°	697.6	667.8	611.9	550.9	453.6	332.0	244.6	207.8	198.2	201.5	202.3
20°	721.4	691.8	629.9	538.7	385.3	249.0	189.3	180.2	183.8	190.2	191.3
22.5°	745.4	715.0	646.5	506.6	298.0	189.1	170.5	172.7	176.3	182.7	183.8
25°	774.7	743.2	662.0	447.8	223.6	160.9	162.0	165.3	168.9	174.7	175.2
27.5°	808.5	778.9	672.2	371.2	165.8	147.9	151.5	156.4	160.0	165.6	166.7
30°	853.2	825.9	675.5	291.9	139.0	136.3	137.9	144.0	149.3	154.2	155.1
32.5°	895.2	872.3	664.5	220.3	128.8	125.5	125.5	129.1	135.2	139.9	141.0
35°	933.9	919.0	629.1	161.1	121.1	115.5	112.8	112.8	116.6	120.5	121.6
37.5°	985.1	984.5	571.9	128.5	113.6	107.2	101.4	97.0	95.6	96.5	97.0
40°	1072.7	1073.5	497.2	115.3	107.2	98.7	89.8	81.8	74.4	71.9	71.6
42.5°	1209.5	1197.1	419.0	108.9	101.7	89.8	76.6	65.8	54.2	50.6	50.3
45°	1426.8	1353.0	336.1	103.1	95.9	79.9	63.3	48.6	39.2	36.5	36.5
47.5°	1743.2	1557.8	260.4	96.7	88.2	68.5	47.8	35.1	28.7	27.4	27.6
50°	2070.5	1758.4	199.6	88.7	78.8	56.7	35.4	25.4	21.8	21.8	22.1
52.5°	2360.7	1905.5	155.6	80.2	67.2	44.5	26.8	19.9	18.2	18.0	18.2
55°	2632.4	2000.3	119.1	70.2	53.3	33.2	20.5	16.3	15.2	14.6	14.4
57.5°	2894.4	2047.3	89.3	56.7	38.7	24.0	16.3	13.8	12.7	11.9	11.6
60°	3068.8	2009.1	61.4	41.7	26.8	17.4	13.5	11.9	10.5	9.7	9.4
62.5°	3167.2	1904.9	39.5	30.1	19.1	13.0	10.8	10.0	8.0	7.2	7.2
65°	3127.4	1733.0	27.6	21.6	13.8	9.7	8.0	8.0	5.8	4.7	4.4
67.5°	2771.4	1464.1	21.0	16.0	10.0	7.2	6.1	6.9	3.6	2.2	2.2
69°	2384.5	1213.4	18.0	13.3	8.3	5.8	5.3	6.4	2.5	1.7	1.4
70°	2072.4	1046.7	16.3	11.6	6.9	5.0	4.7	6.1	2.5	1.4	1.1
72.5°	1239.9	583.7	12.4	8.3	4.4	3.9	3.9	6.9	2.5	1.4	1.1
75°	501.1	205.6	9.1	5.8	3.3	3.3	4.7	8.8	2.2	1.1	0.8
77.5°	113.6	45.1	5.3	3.6	2.2	3.3	5.5	6.9	1.4	0.6	0.0
80°	27.6	11.1	3.3	2.2	1.4	2.5	4.1	3.9	0.3	0.0	0.0
82.5°	9.1	3.9	1.4	1.1	0.3	0.8	1.9	1.1	0.0	0.0	0.0
85°	3.9	2.2	0.6	0.3	0.0	0.0	0.3	0.0	0.0	0.0	0.0
87.5°	2.5	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)