

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: P1208612

Luminaire Tested: UPW-SA1-070-750-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208612
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-070-750-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6037 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

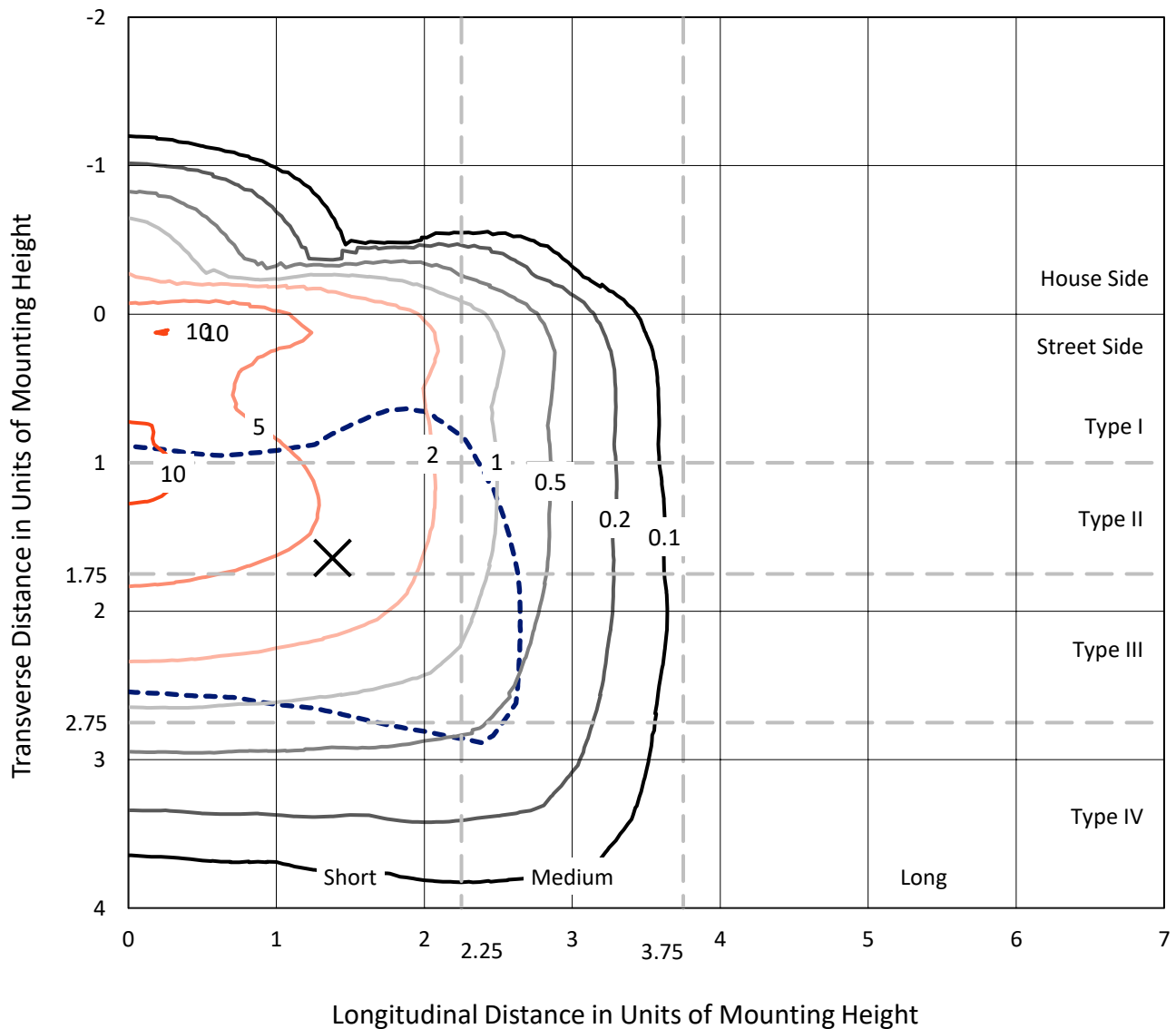


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

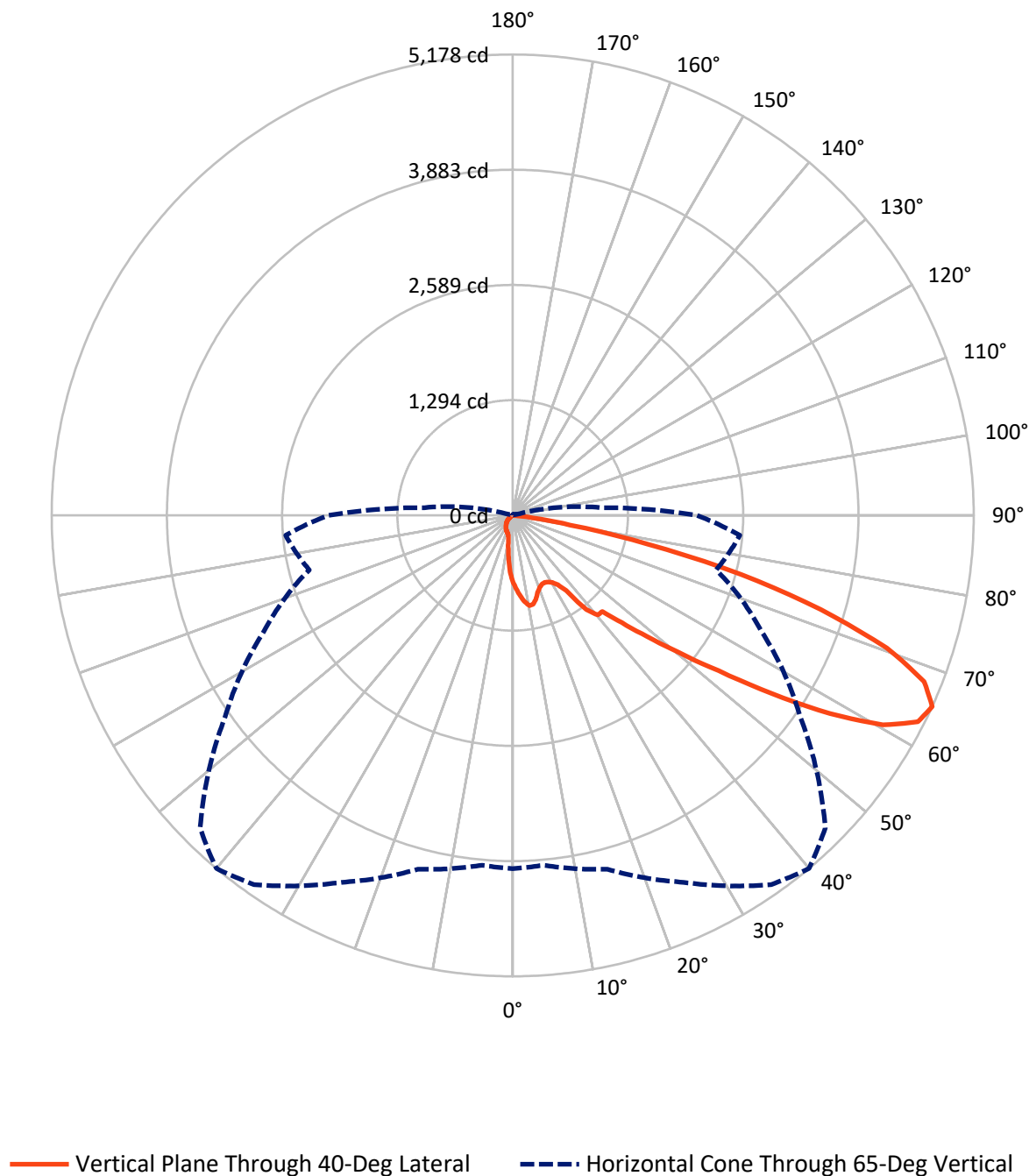


Based on 10 foot mounting height. Maximum calculated value = 11.3 fc
Type IV - Short - N/A

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Luminous Intensity Polar Plot



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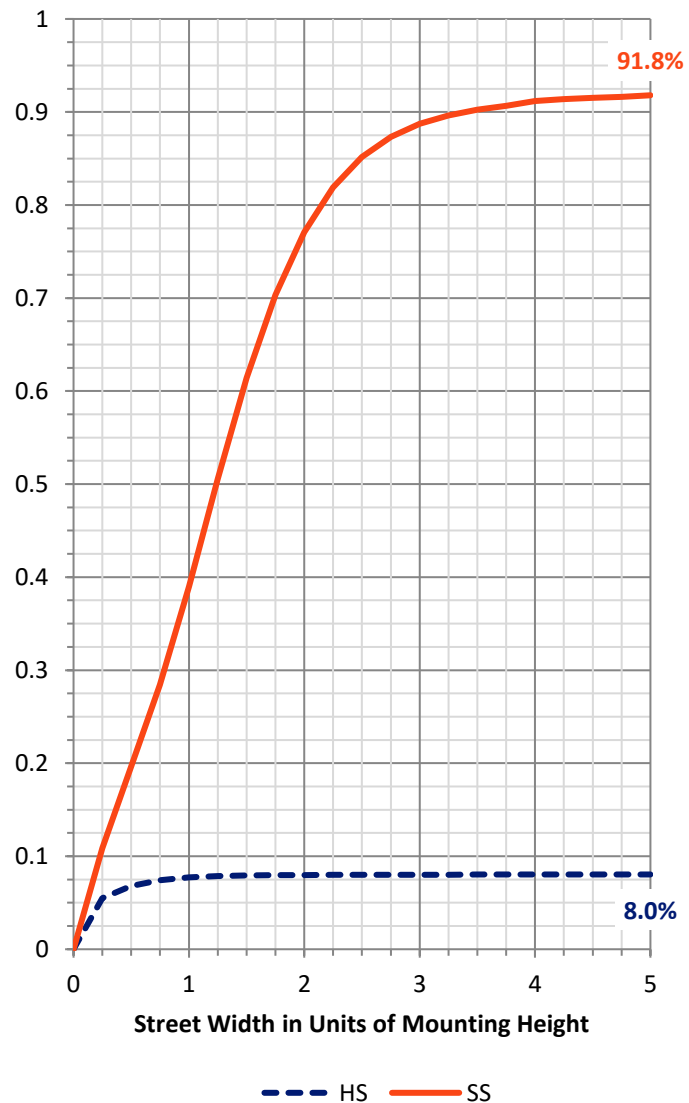
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	488.6	0.0	488.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5548.4	0.0	5548.4
	% Fixture	91.9	0.0	91.9
Total	Lumens	6037.0	0.0	6037.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.2	1.1
10°-20°	194.5	3.2
20°-30°	303.5	5.0
30°-40°	502.9	8.3
40°-50°	852.8	14.1
50°-60°	1502.1	24.9
60°-70°	1870.9	31.0
70°-80°	703.1	11.6
80°-90°	38.1	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°	6037.0	100.0
0°-180°	6037.0	100.0

Coefficient of Utilization



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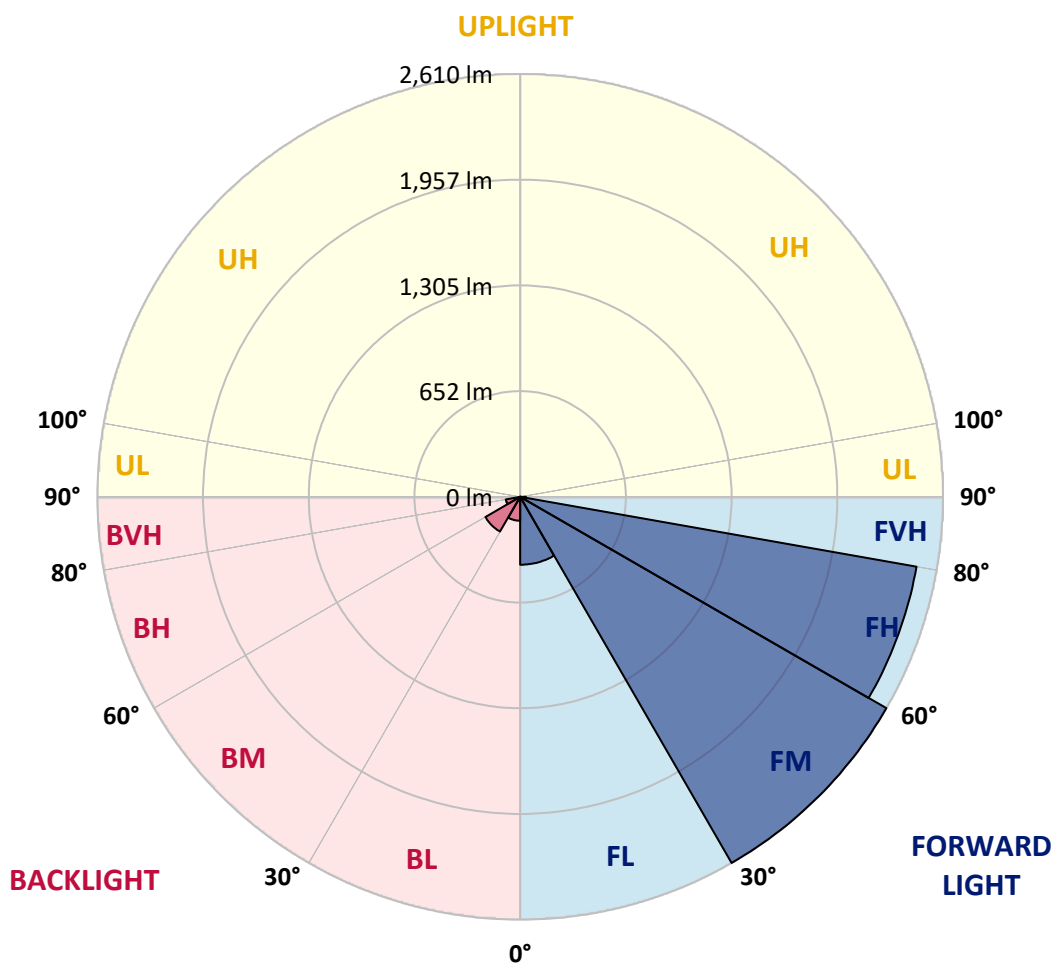
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	419.3	6.9			
FM	(30°-60°)	2609.7	43.2			
FH	(60°-80°)	2483.9	41.1			G2/5000
FVH	(80°-90°)	35.6	0.6			G1/100
BL	(0°-30°)	147.8	2.4	B1/500		
BM	(30°-60°)	248.1	4.1	B1/1000		
BH	(60°-80°)	90.2	1.5	B0/110		G0/110
BVH	(80°-90°)	2.5	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°	40°	45°	55°	65°	75°	85°
0°	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9
2.5°	853.5	846.4	844.6	841.0	832.1	831.3	829.5	813.5	801.9	790.4	772.6
5°	936.2	930.8	926.4	925.5	919.3	911.3	909.5	887.3	865.9	841.9	804.6
7.5°	996.6	991.3	991.3	991.3	984.2	981.5	981.5	958.4	937.9	901.5	850.8
10°	1009.1	1005.5	1009.1	1018.0	1026.8	1030.4	1034.0	1028.6	1011.7	971.7	910.4
12.5°	977.9	974.4	977.9	991.3	1008.2	1025.1	1047.3	1075.7	1082.0	1054.4	974.4
15°	946.8	942.4	935.3	932.6	950.4	976.2	1006.4	1083.7	1140.6	1132.6	1048.2
17.5°	927.3	926.4	909.5	886.4	888.2	907.7	946.8	1051.7	1169.1	1202.9	1116.6
20°	908.6	905.9	887.3	854.4	847.3	865.0	897.9	1007.3	1163.8	1267.8	1187.8
22.5°	898.8	895.3	870.4	831.3	824.1	840.1	869.5	959.3	1137.1	1306.0	1255.3
25°	910.4	907.7	872.2	826.8	820.6	833.9	859.7	933.5	1102.4	1320.2	1309.6
27.5°	949.5	944.2	897.0	842.8	834.8	847.3	868.6	924.6	1072.2	1314.9	1353.1
30°	1082.9	1062.4	992.2	890.8	865.9	873.9	890.8	936.2	1052.6	1307.8	1402.0
32.5°	1341.6	1330.9	1213.5	1029.5	935.3	928.2	939.7	971.7	1066.0	1345.1	1492.7
35°	1791.4	1778.1	1611.8	1319.3	1075.7	1036.6	1029.5	1057.1	1167.3	1354.9	1507.8
37.5°	2141.7	2129.3	1989.7	1770.1	1469.6	1342.5	1259.8	1248.2	1173.5	1309.6	1526.5
40°	2312.4	2291.1	2086.6	1790.5	1566.5	1471.4	1379.8	1193.1	1109.5	1282.9	1574.5
42.5°	2724.9	2666.2	2425.3	2054.6	1650.1	1475.8	1314.0	1116.6	1132.6	1310.4	1649.2
45°	3183.7	3187.2	2895.6	2403.1	1923.9	1715.9	1513.2	1208.2	1215.3	1380.7	1747.9
47.5°	3712.6	3651.3	3342.8	2844.9	2266.2	2030.6	1803.9	1367.3	1332.7	1493.6	1880.3
50°	4097.6	4058.5	3818.4	3349.0	2688.5	2420.9	2123.0	1606.5	1524.7	1623.4	2014.6
52.5°	4310.1	4301.2	4181.2	3805.1	3211.2	2900.1	2510.7	1886.5	1759.4	1766.5	2114.1
55°	4477.2	4453.2	4447.9	4263.8	3802.4	3528.6	3021.9	2267.1	2057.2	1906.1	2213.7
57.5°	4645.2	4617.7	4640.8	4607.9	4438.1	4202.5	3635.3	2680.5	2316.8	2054.6	2332.8
60°	4647.9	4620.4	4685.3	4823.9	4899.5	4777.7	4257.6	3132.1	2603.1	2206.6	2494.7
62.5°	4433.7	4406.1	4517.2	4806.2	5121.8	5106.7	4740.4	3565.1	2888.5	2358.6	2628.9
65°	3966.9	3944.7	4114.5	4547.5	5062.2	5177.8	4965.3	3941.1	3082.3	2365.7	2559.6
67.5°	3025.4	3065.4	3353.5	3950.9	4752.8	4984.9	4933.3	4039.8	2987.2	2150.6	2295.5
70°	1952.3	2025.2	2347.1	3052.1	4044.3	4458.5	4485.2	3586.4	2500.0	1748.7	1724.7
72.5°	1039.3	1052.6	1349.6	1974.6	3075.2	3619.3	3659.3	2700.0	1710.5	1162.0	941.5
75°	455.2	491.6	660.6	1110.4	2049.2	2652.0	2532.9	1618.1	882.8	531.6	364.5
77.5°	163.6	176.9	256.9	543.2	1156.6	1552.3	1446.5	769.0	356.5	235.6	106.7
80°	79.1	80.0	103.1	207.1	483.6	654.3	569.0	272.0	162.7	132.5	41.8
82.5°	26.7	32.9	58.7	81.8	179.6	223.1	164.5	101.4	96.9	100.5	29.3
85°	0.0	0.9	29.3	44.5	46.2	52.5	41.8	44.5	59.6	60.5	9.8
87.5°	0.0	0.0	0.0	8.9	9.8	9.8	5.3	10.7	24.9	29.3	1.8
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°	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9	753.9
2.5°	761.9	751.2	729.9	712.1	688.1	671.2	653.4	645.4	640.1	617.9	616.1
5°	784.1	760.1	711.2	657.9	605.4	553.9	505.0	477.4	453.4	443.6	432.1
7.5°	817.0	780.6	694.3	602.8	504.1	424.1	369.8	339.6	314.7	310.3	306.7
10°	862.4	807.3	680.1	531.6	393.0	317.4	272.9	253.4	245.4	243.6	240.9
12.5°	912.2	841.0	664.1	449.0	307.6	243.6	224.9	224.9	229.4	231.2	231.2
15°	976.2	880.2	633.9	375.2	247.2	213.4	212.5	216.0	220.5	222.3	223.1
17.5°	1032.2	921.0	595.7	307.6	212.5	202.7	204.5	207.1	211.6	215.1	215.1
20°	1092.6	958.4	556.5	253.4	195.6	192.9	194.7	198.3	203.6	206.3	207.1
22.5°	1146.0	987.7	511.2	217.8	184.0	184.0	186.7	190.3	196.5	200.9	200.9
25°	1190.4	1010.8	462.3	193.8	173.4	174.3	176.9	182.3	188.5	192.9	193.8
27.5°	1225.1	1022.4	406.3	174.3	162.7	162.7	167.1	173.4	181.4	186.7	186.7
30°	1269.6	1040.2	363.6	160.0	151.1	151.1	154.7	162.7	173.4	180.5	180.5
32.5°	1336.2	1071.3	318.3	147.6	140.5	140.5	144.0	151.1	161.8	170.7	172.5
35°	1346.9	1057.1	272.0	137.8	130.7	129.8	131.6	137.8	146.7	152.9	155.6
37.5°	1363.8	1057.1	228.5	127.1	120.9	120.0	120.9	123.6	127.1	128.9	128.0
40°	1401.1	1064.2	192.0	118.2	112.0	110.2	109.4	108.5	104.9	100.5	99.6
42.5°	1459.8	1082.9	160.9	108.5	102.2	100.5	97.8	91.6	83.6	77.3	77.3
45°	1530.0	1099.7	135.1	100.5	93.3	91.6	83.6	73.8	64.0	59.6	59.6
47.5°	1616.3	1120.2	114.7	93.3	86.2	81.8	68.5	56.9	48.9	47.1	47.1
50°	1715.9	1132.6	96.9	85.3	79.1	71.1	54.2	44.5	38.2	37.3	37.3
52.5°	1785.2	1131.8	82.7	78.2	72.0	59.6	43.6	35.6	31.1	29.3	29.3
55°	1851.9	1119.3	69.3	69.3	62.2	48.0	35.6	29.3	24.9	23.1	22.2
57.5°	1932.8	1113.1	59.6	57.8	50.7	39.1	29.3	24.0	19.6	16.0	15.1
60°	2061.7	1123.7	49.8	46.2	40.0	31.1	24.0	18.7	14.2	9.8	8.9
62.5°	2147.9	1113.1	40.9	37.3	32.0	24.9	17.8	13.3	8.0	5.3	4.4
65°	2067.9	993.9	34.7	30.2	25.8	19.6	13.3	8.9	3.6	0.9	0.0
67.5°	1787.9	793.9	29.3	24.9	20.4	15.1	9.8	5.3	0.9	0.0	0.0
70°	1299.8	535.2	25.8	20.4	16.0	12.4	7.1	2.7	0.0	0.0	0.0
72.5°	680.1	251.6	23.1	18.7	14.2	9.8	5.3	1.8	0.0	0.0	0.0
75°	238.3	90.7	21.3	17.8	12.4	8.0	4.4	1.8	0.0	0.0	0.0
77.5°	74.7	40.9	21.3	18.7	13.3	8.0	4.4	1.8	0.0	0.0	0.0
80°	33.8	26.7	19.6	17.8	12.4	8.0	4.4	0.9	0.0	0.0	0.0
82.5°	24.0	21.3	18.7	16.0	11.6	7.1	3.6	0.9	0.0	0.0	0.0
85°	8.9	7.1	7.1	8.9	8.0	4.4	1.8	0.0	0.0	0.0	0.0
87.5°	0.9	0.9	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)