

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: P1208259

Luminaire Tested: UPW-SA1-060-727-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-727-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4368 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 59
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

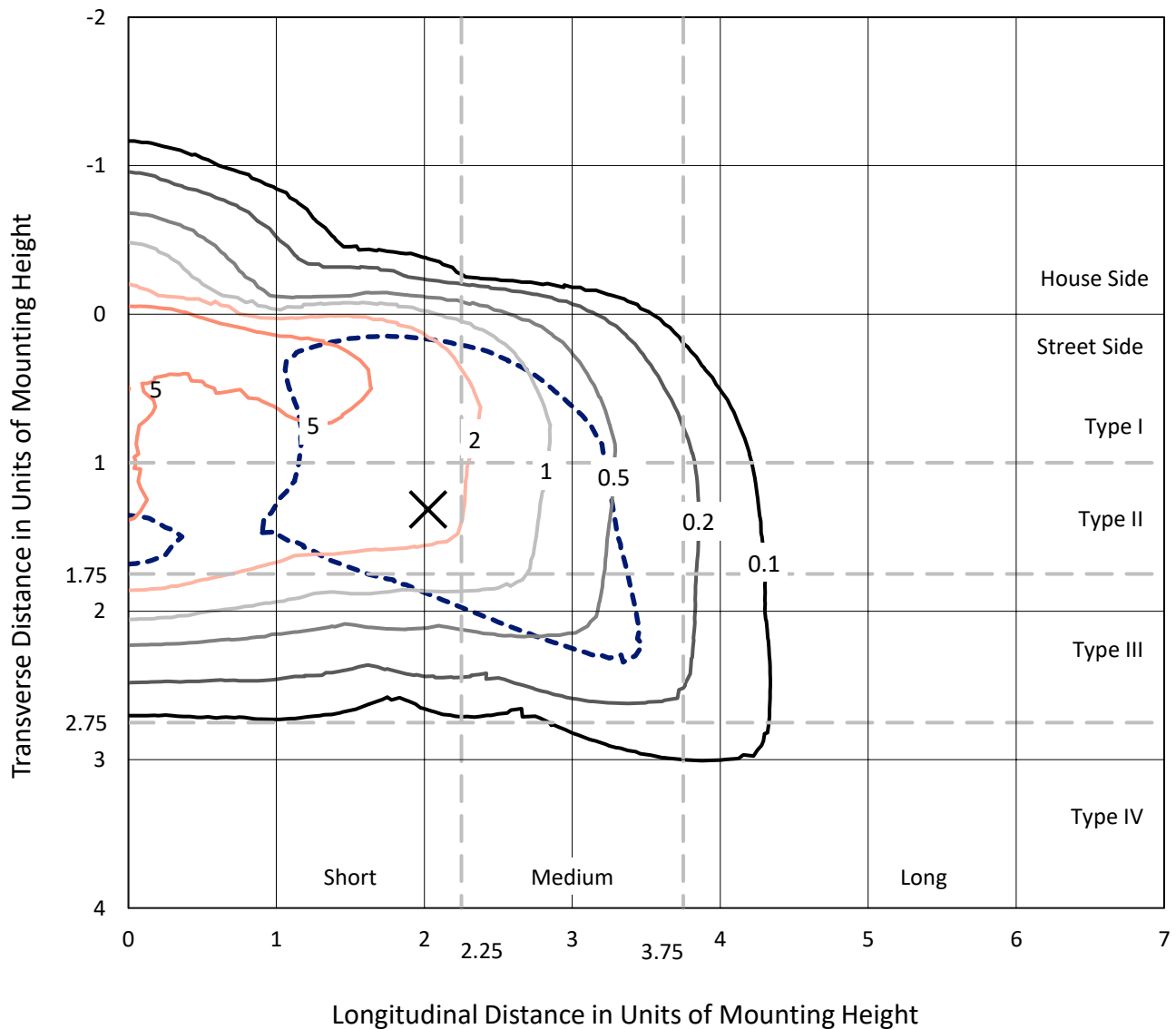


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

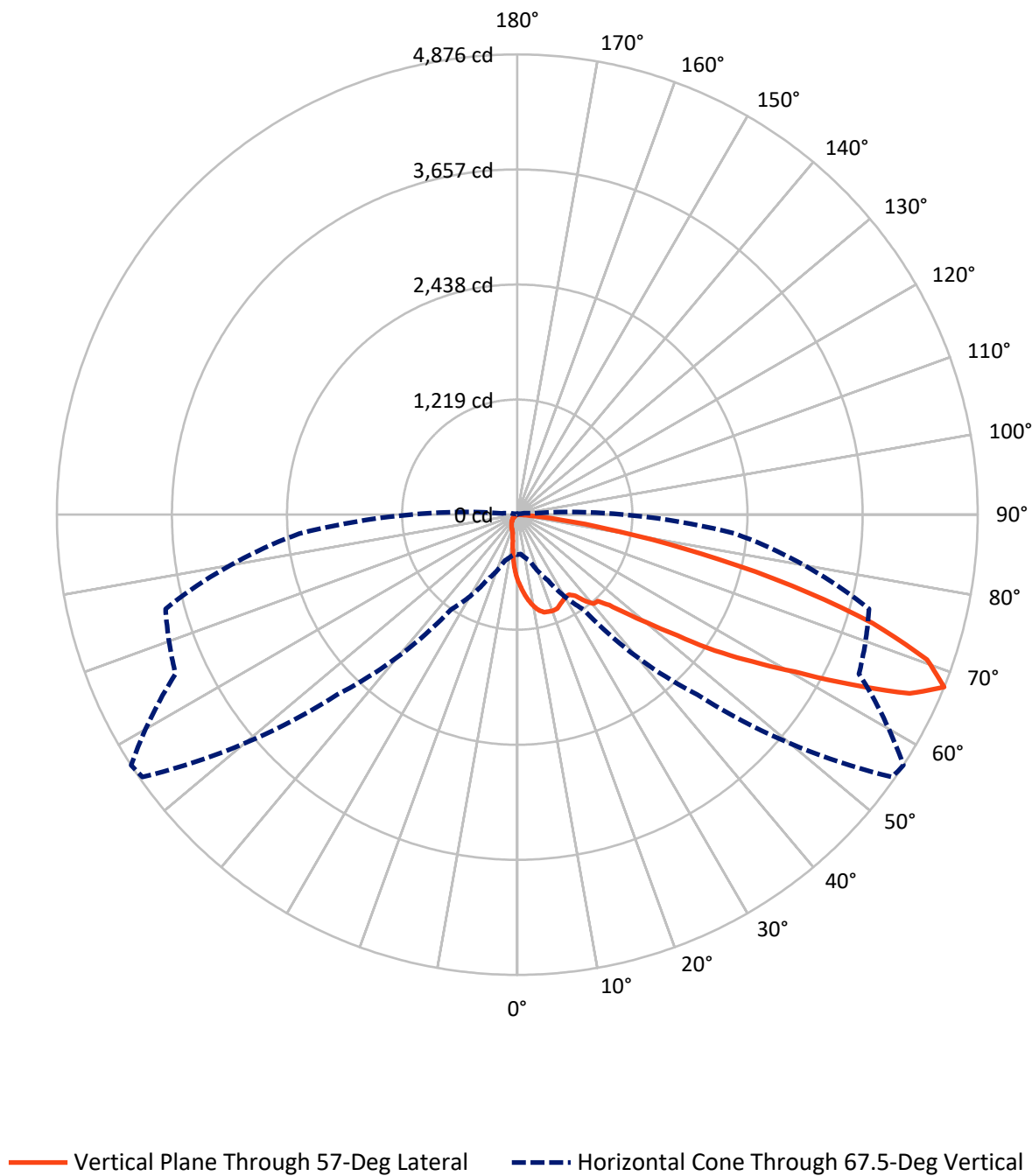


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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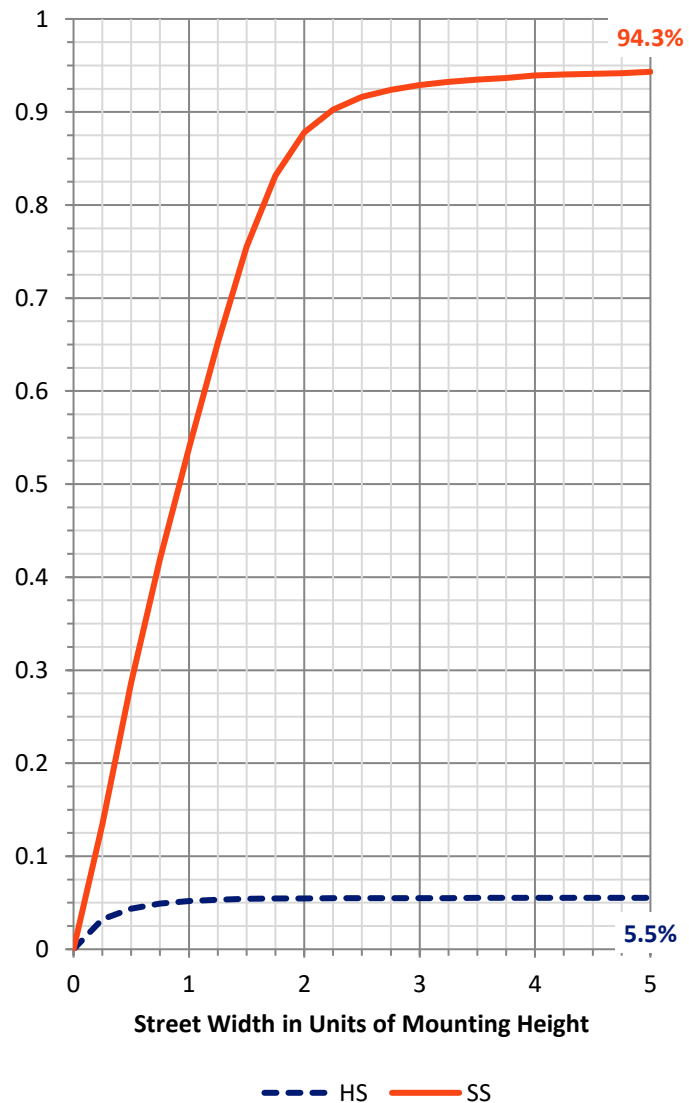
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	243.1	0.0	243.1
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	4124.9	0.0	4124.9
	% Fixture	94.4	0.0	94.4
Total	Lumens	4368.0	0.0	4368.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	1.4
10°-20°	162.5	3.7
20°-30°	237.8	5.4
30°-40°	357.6	8.2
40°-50°	583.4	13.4
50°-60°	1104.2	25.3
60°-70°	1261.8	28.9
70°-80°	550.8	12.6
80°-90°	47.6	1.1
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°	4368.0	100.0
0°-180°	4368.0	100.0

Coefficient of Utilization



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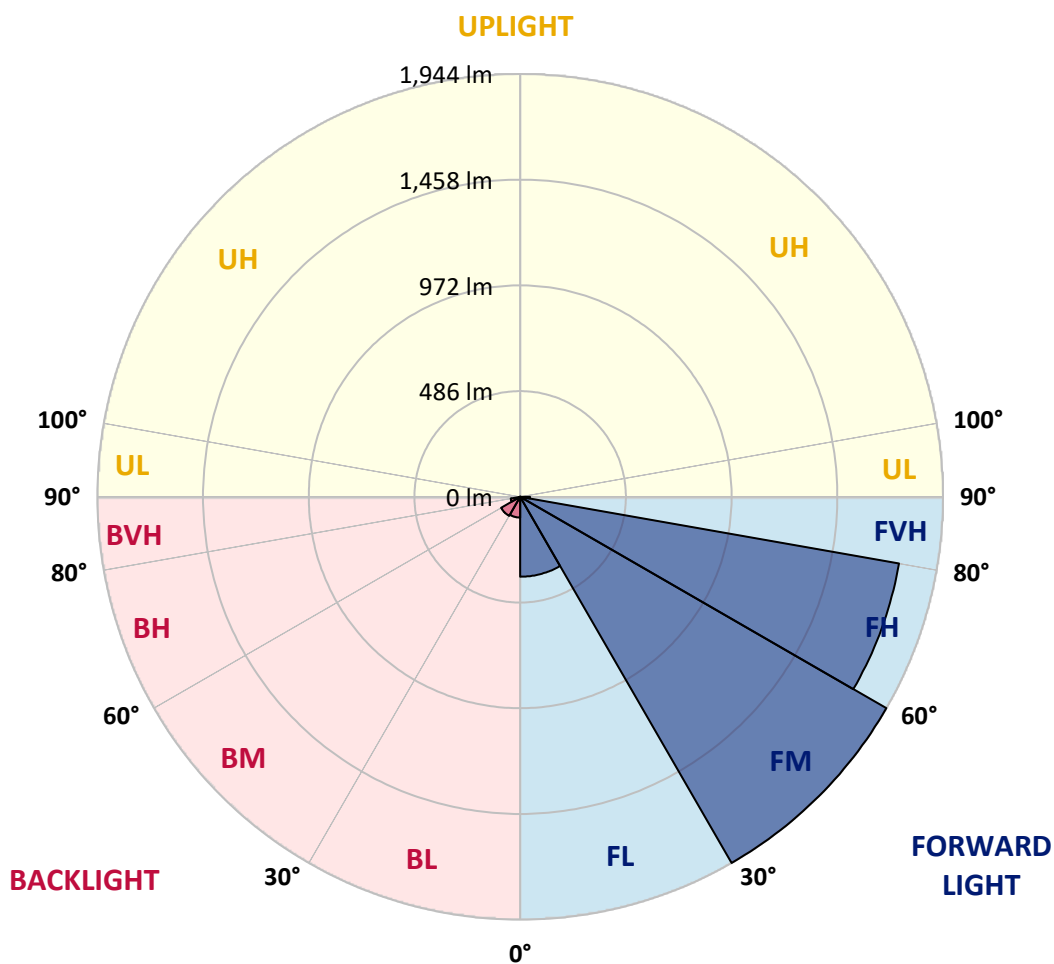
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	367.3	8.4			
FM	(30°-60°)	1943.9	44.5			
FH	(60°-80°)	1768.5	40.5			G1/1800
FVH	(80°-90°)	45.2	1.0			G1/100
BL	(0°-30°)	95.4	2.2	B0/110		
BM	(30°-60°)	101.3	2.3	B0/220		
BH	(60°-80°)	44.1	1.0	B0/110		G0/110
BVH	(80°-90°)	2.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9
2.5°	820.3	827.1	829.8	818.3	807.5	799.3	783.1	772.9	757.3	738.3	711.9
5°	941.0	940.3	933.6	924.8	920.0	894.2	867.1	856.3	831.2	783.7	732.2
7.5°	986.5	990.5	995.3	989.8	981.7	968.1	936.3	928.1	891.5	829.8	757.3
10°	965.4	972.2	980.3	994.6	1021.7	1026.5	1002.0	993.2	949.2	881.4	778.3
12.5°	868.5	878.7	892.2	938.3	1001.4	1040.7	1046.1	1043.4	1006.1	927.5	793.2
15°	739.7	728.8	764.1	827.8	931.5	1021.7	1070.5	1072.6	1053.6	970.9	809.5
17.5°	642.7	652.9	668.5	716.6	824.4	953.9	1067.1	1080.0	1088.8	1017.0	828.5
20°	626.4	627.1	633.9	660.3	716.6	872.6	1055.6	1086.1	1132.2	1062.4	836.6
22.5°	642.0	638.0	641.4	646.8	682.0	789.8	1031.2	1080.7	1158.0	1118.7	853.6
25°	662.4	667.1	661.0	654.2	674.6	752.6	1002.7	1053.6	1196.6	1168.8	861.0
27.5°	719.3	722.0	705.8	681.4	688.8	735.6	958.7	1031.9	1254.9	1225.1	873.2
30°	812.2	809.5	775.6	735.6	718.7	746.4	930.9	1008.1	1286.1	1268.5	867.1
32.5°	881.4	875.9	842.7	801.4	771.5	787.8	930.9	1010.9	1349.2	1344.4	878.7
35°	943.7	939.0	897.6	864.4	838.7	853.6	983.1	1054.9	1439.3	1485.4	919.3
37.5°	1011.5	998.7	966.1	908.5	900.3	958.0	1095.6	1155.3	1582.4	1616.3	920.7
40°	1118.7	1107.8	1055.6	995.9	951.9	1035.9	1183.7	1240.7	1683.4	1721.4	915.3
42.5°	1265.8	1240.0	1175.6	1088.8	1018.3	1078.0	1193.9	1252.9	1760.0	1884.8	967.5
45°	1425.8	1418.3	1328.8	1217.0	1142.4	1134.9	1301.7	1366.8	1930.2	2148.5	1080.7
47.5°	1657.0	1598.7	1480.7	1361.4	1297.6	1247.5	1467.1	1566.1	2137.6	2457.0	1249.5
50°	1900.4	1866.5	1686.8	1522.0	1444.1	1425.8	1728.8	1818.3	2403.4	2804.1	1530.9
52.5°	2315.3	2237.3	1994.6	1787.1	1652.2	1634.6	2013.6	2128.2	2703.1	3218.3	1814.9
55°	2594.6	2546.5	2302.4	2145.8	1968.8	1915.3	2417.0	2542.4	3069.9	3579.7	2099.0
57.5°	2684.1	2625.1	2405.4	2367.5	2326.8	2357.3	2835.3	2939.7	3324.1	3861.7	2350.5
60°	2325.4	2323.4	2198.0	2297.0	2498.3	2850.9	3329.5	3375.6	3530.2	4034.6	2507.1
62.5°	1672.6	1667.1	1692.2	1937.6	2313.2	3185.1	4009.5	3958.0	3709.2	4130.9	2591.9
65°	867.1	871.2	997.3	1320.7	1861.0	3159.4	4631.9	4566.8	3819.7	4071.9	2532.2
67.5°	423.1	419.7	501.7	768.1	1229.2	2697.7	4845.5	4876.0	3993.3	3855.6	2316.6
70°	210.8	213.6	273.2	405.4	671.2	1937.6	4474.6	4604.1	3833.3	3395.3	1972.9
72.5°	148.5	150.5	185.8	240.7	313.9	1176.3	3713.9	3937.0	3199.4	2701.0	1390.5
75°	106.4	109.8	136.3	179.7	174.2	590.5	2870.5	3002.7	2319.3	1667.8	737.0
77.5°	77.3	82.0	106.4	138.3	120.7	248.1	1987.8	1984.4	1308.5	792.6	298.3
80°	50.8	54.2	78.6	102.4	86.1	115.3	1164.8	1097.0	579.0	303.7	108.5
82.5°	28.5	29.8	52.9	71.2	59.7	54.2	520.7	480.0	195.9	111.2	50.8
85°	2.0	3.4	31.2	44.7	31.9	27.1	145.8	132.2	63.1	50.8	27.1
87.5°	0.0	0.0	4.1	8.1	5.4	4.1	35.3	30.5	19.0	29.8	13.6
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°	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9	694.9
2.5°	701.0	682.0	653.6	625.8	598.7	574.2	556.6	539.0	531.5	514.6	543.7
5°	705.1	671.2	603.4	537.6	480.7	419.7	379.7	351.2	337.0	324.1	324.7
7.5°	709.2	657.6	553.2	442.0	360.0	295.6	259.7	246.8	241.4	234.6	234.6
10°	704.4	635.9	481.4	347.8	264.4	229.8	210.2	205.4	208.1	207.5	209.5
12.5°	704.4	610.2	408.1	271.2	217.0	196.6	191.2	190.5	194.6	197.3	198.6
15°	695.6	570.9	334.9	222.4	189.8	182.4	180.3	180.3	183.1	185.8	185.1
17.5°	688.1	531.5	273.9	191.2	173.6	171.5	170.2	168.8	172.2	174.9	175.6
20°	669.8	476.6	225.8	172.2	162.7	160.0	159.3	158.0	161.4	164.1	166.1
22.5°	643.4	414.2	193.2	158.0	153.2	149.8	147.8	148.5	151.9	154.6	153.2
25°	608.1	359.3	169.5	147.8	141.0	139.0	136.3	137.6	138.3	141.0	143.1
27.5°	569.5	305.8	153.9	139.7	132.9	128.8	125.4	124.7	125.4	128.8	127.5
30°	512.5	259.0	143.1	130.2	122.7	117.3	113.2	111.2	110.5	111.2	111.9
32.5°	469.2	227.8	135.6	122.7	113.2	106.4	101.7	97.6	96.3	94.9	94.9
35°	441.4	210.8	128.1	112.5	103.7	97.0	89.5	84.7	82.0	80.7	81.4
37.5°	381.7	181.7	119.3	105.1	94.9	86.8	79.3	71.9	69.8	71.2	71.2
40°	331.5	155.9	111.2	96.3	84.7	77.3	69.2	60.3	59.0	63.1	63.7
42.5°	312.5	144.4	103.7	88.1	75.9	69.8	59.0	52.2	52.2	55.6	56.3
45°	335.6	141.0	97.0	80.7	68.5	61.7	50.8	44.7	44.7	48.1	48.8
47.5°	408.8	146.4	90.2	73.2	63.1	54.2	42.0	39.3	39.3	40.7	41.4
50°	564.1	164.1	83.4	65.8	57.6	46.1	36.6	33.9	33.2	33.9	33.9
52.5°	761.4	199.3	75.9	59.0	50.8	38.6	31.9	29.2	27.1	27.1	26.4
55°	960.7	237.3	68.5	52.2	44.1	33.2	27.1	24.4	21.0	19.7	19.0
57.5°	1136.3	267.8	59.7	46.1	38.0	28.5	23.7	18.3	13.6	10.8	10.8
60°	1245.4	275.9	51.5	40.0	31.2	24.4	19.0	12.2	6.8	5.4	4.7
62.5°	1265.8	250.2	44.1	33.9	26.4	20.3	13.6	6.8	2.7	0.7	0.7
65°	1210.9	197.3	38.0	28.5	21.7	16.3	8.8	3.4	0.0	0.0	0.0
67.5°	1118.7	155.3	31.9	23.7	18.3	12.9	5.4	0.7	0.0	0.0	0.0
70°	975.6	124.1	27.8	20.3	15.6	10.8	3.4	0.0	0.0	0.0	0.0
72.5°	718.7	82.0	24.4	18.3	13.6	8.1	2.0	0.0	0.0	0.0	0.0
75°	393.2	52.2	22.4	16.9	12.9	6.8	1.4	0.0	0.0	0.0	0.0
77.5°	159.3	36.6	19.7	16.3	12.9	6.8	1.4	0.0	0.0	0.0	0.0
80°	60.3	25.8	16.9	14.2	12.2	6.8	1.4	0.0	0.0	0.0	0.0
82.5°	31.9	21.0	16.3	14.2	11.5	6.1	0.7	0.0	0.0	0.0	0.0
85°	15.6	6.8	8.1	8.1	9.5	5.4	0.7	0.0	0.0	0.0	0.0
87.5°	3.4	0.0	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)