

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: P1208369

Luminaire Tested: UPW-SA1-060-750-U-SL4-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208369
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-SA1-060-750-U-SL4-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 5000K, 1050mA 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: 5503 lumens
Efficiency: N/A
Efficacy: 93.3 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): 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

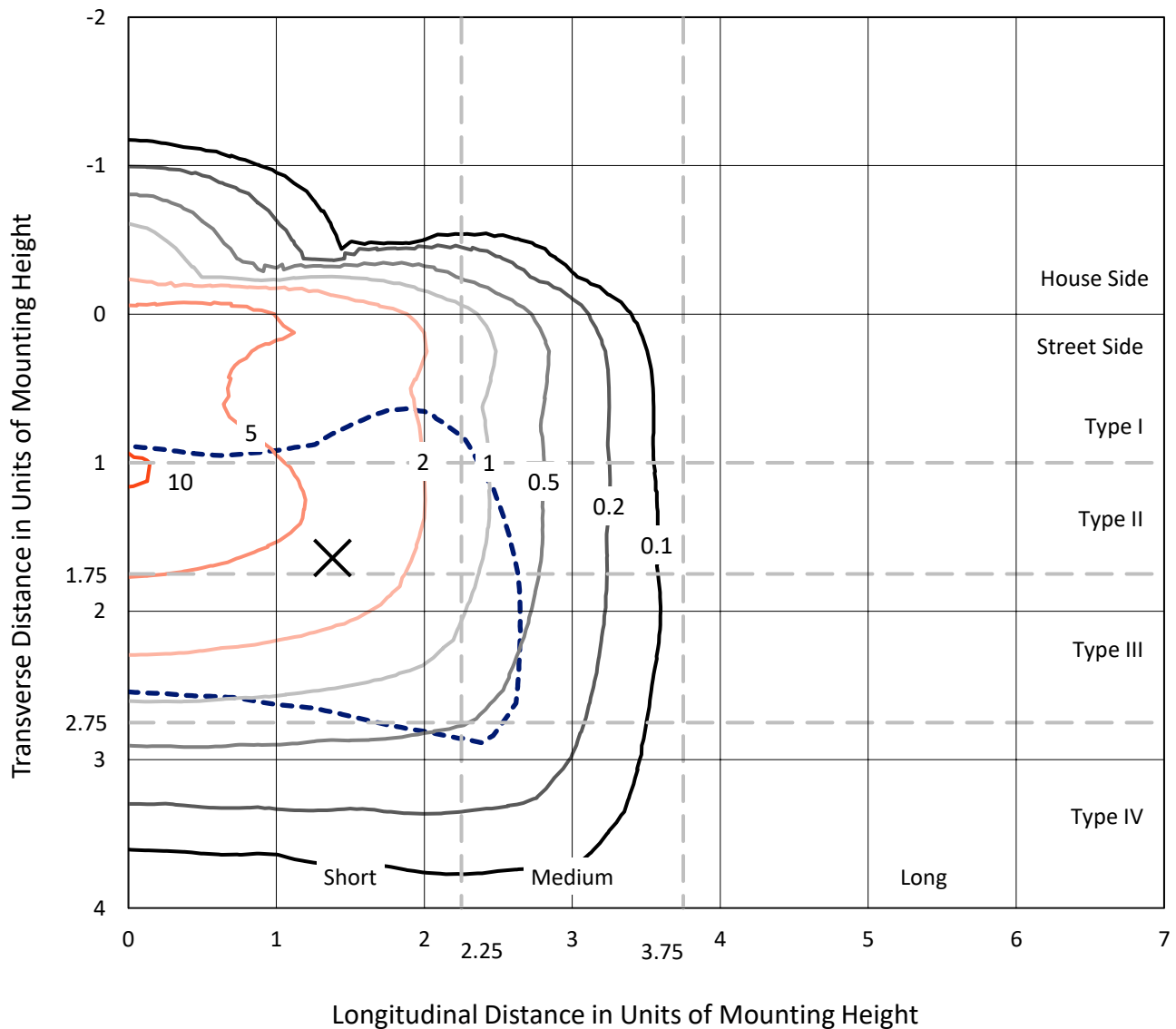


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

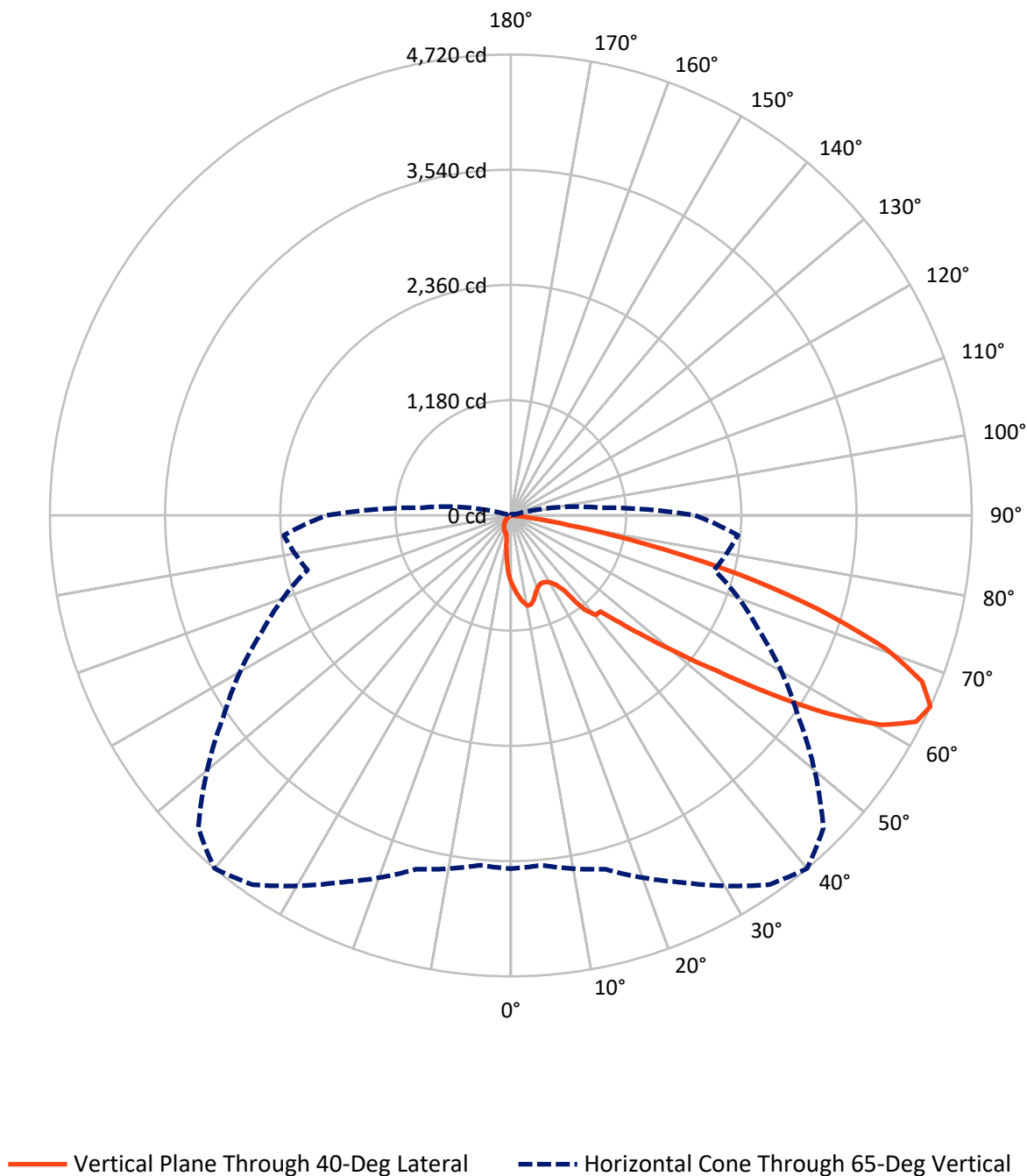


Based on 10 foot mounting height. Maximum calculated value = 10.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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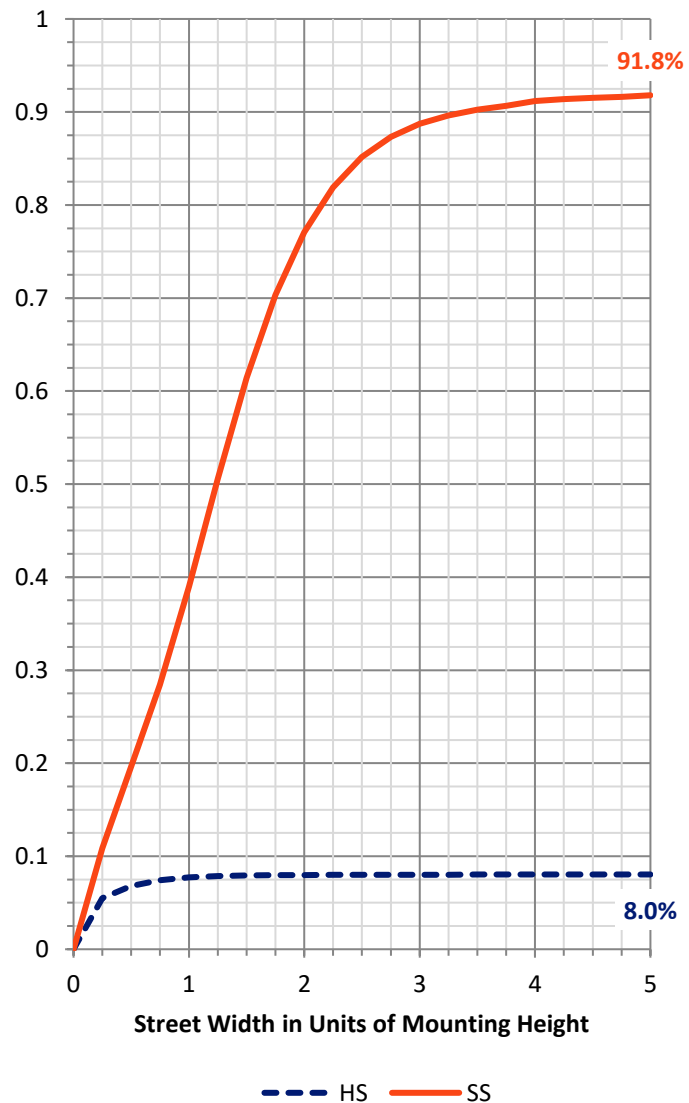
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	445.4	0.0	445.4
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5057.6	0.0	5057.6
	% Fixture	91.9	0.0	91.9
Total	Lumens	5503.0	0.0	5503.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.1	1.1
10°-20°	177.3	3.2
20°-30°	276.6	5.0
30°-40°	458.4	8.3
40°-50°	777.3	14.1
50°-60°	1369.2	24.9
60°-70°	1705.4	31.0
70°-80°	640.9	11.6
80°-90°	34.7	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°	5503.0	100.0
0°-180°	5503.0	100.0

Coefficient of Utilization



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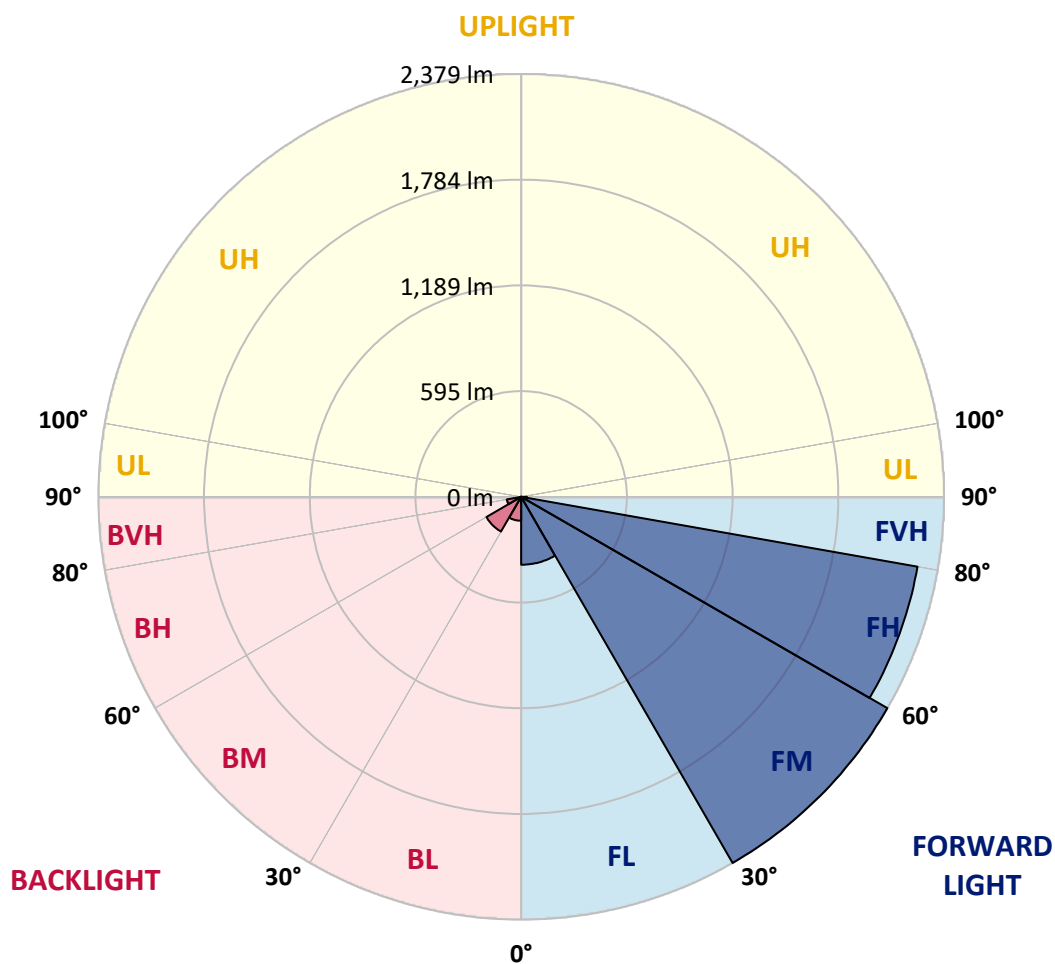
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	382.2	6.9			
FM	(30°-60°)	2378.9	43.2			
FH	(60°-80°)	2264.2	41.1			G2/5000
FVH	(80°-90°)	32.4	0.6			G1/100
BL	(0°-30°)	134.8	2.4	B1/500		
BM	(30°-60°)	226.1	4.1	B1/1000		
BH	(60°-80°)	82.2	1.5	B0/110		G0/110
BVH	(80°-90°)	2.3	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°	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2
2.5°	778.0	771.5	769.9	766.6	758.5	757.7	756.1	741.5	731.0	720.4	704.2
5°	853.4	848.5	844.4	843.6	838.0	830.7	829.0	808.8	789.3	767.5	733.4
7.5°	908.5	903.6	903.6	903.6	897.1	894.7	894.7	873.6	855.0	821.7	775.6
10°	919.8	916.6	919.8	927.9	936.0	939.3	942.5	937.6	922.2	885.8	829.9
12.5°	891.4	888.2	891.4	903.6	919.0	934.4	954.7	980.6	986.3	961.1	888.2
15°	863.1	859.0	852.5	850.1	866.3	889.8	917.4	987.9	1039.7	1032.5	955.5
17.5°	845.3	844.4	829.0	808.0	809.6	827.4	863.1	958.7	1065.7	1096.5	1017.9
20°	828.2	825.8	808.8	778.8	772.3	788.5	818.5	918.2	1060.8	1155.6	1082.7
22.5°	819.3	816.1	793.4	757.7	751.2	765.8	792.6	874.4	1036.5	1190.5	1144.3
25°	829.9	827.4	795.0	753.7	748.0	760.2	783.7	850.9	1004.9	1203.4	1193.7
27.5°	865.5	860.6	817.7	768.3	761.0	772.3	791.8	842.8	977.3	1198.6	1233.4
30°	987.1	968.4	904.4	812.0	789.3	796.6	812.0	853.4	959.5	1192.1	1278.0
32.5°	1222.9	1213.2	1106.2	938.4	852.5	846.1	856.6	885.8	971.7	1226.1	1360.7
35°	1633.0	1620.8	1469.3	1202.6	980.6	944.9	938.4	963.6	1064.1	1235.1	1374.4
37.5°	1952.3	1940.9	1813.7	1613.5	1339.6	1223.7	1148.3	1137.8	1069.7	1193.7	1391.5
40°	2107.9	2088.4	1902.0	1632.2	1427.9	1341.2	1257.7	1087.6	1011.4	1169.4	1435.2
42.5°	2483.9	2430.4	2210.8	1872.8	1504.1	1345.3	1197.8	1017.9	1032.5	1194.5	1503.3
45°	2902.1	2905.3	2639.5	2190.5	1753.7	1564.1	1379.3	1101.3	1107.8	1258.6	1593.3
47.5°	3384.2	3328.3	3047.1	2593.3	2065.7	1851.0	1644.3	1246.4	1214.8	1361.5	1714.0
50°	3735.1	3699.5	3480.7	3052.8	2450.7	2206.7	1935.2	1464.4	1389.8	1479.8	1836.4
52.5°	3928.8	3920.7	3811.3	3468.5	2927.2	2643.5	2288.6	1719.7	1603.8	1610.3	1927.1
55°	4081.2	4059.3	4054.4	3886.7	3466.1	3216.5	2754.6	2066.5	1875.3	1737.5	2017.9
57.5°	4234.4	4209.2	4230.3	4200.3	4045.5	3830.8	3313.7	2443.4	2111.9	1872.8	2126.5
60°	4236.8	4211.7	4270.8	4397.2	4466.1	4355.1	3881.0	2855.0	2372.9	2011.4	2274.0
62.5°	4041.5	4016.4	4117.7	4381.0	4668.7	4655.0	4321.1	3249.7	2633.0	2150.0	2396.4
65°	3616.0	3595.8	3750.5	4145.2	4614.4	4719.8	4526.1	3592.5	2809.7	2156.5	2333.1
67.5°	2757.8	2794.3	3056.8	3601.4	4332.4	4543.9	4496.9	3682.5	2723.0	1960.4	2092.5
70°	1779.6	1846.1	2139.5	2782.1	3686.5	4064.2	4088.5	3269.2	2278.9	1594.1	1572.2
72.5°	947.4	959.5	1230.2	1799.9	2803.2	3299.1	3335.6	2461.2	1559.2	1059.2	858.2
75°	414.9	448.2	602.1	1012.2	1868.0	2417.4	2308.8	1474.9	804.7	484.6	332.3
77.5°	149.1	161.3	234.2	495.2	1054.3	1415.0	1318.5	701.0	325.0	214.8	97.2
80°	72.1	72.9	94.0	188.8	440.9	596.5	518.7	248.0	148.3	120.8	38.1
82.5°	24.3	30.0	53.5	74.6	163.7	203.4	149.9	92.4	88.3	91.6	26.7
85°	0.0	0.8	26.7	40.5	42.1	47.8	38.1	40.5	54.3	55.1	8.9
87.5°	0.0	0.0	0.0	8.1	8.9	8.9	4.9	9.7	22.7	26.7	1.6
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°	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2	687.2
2.5°	694.5	684.8	665.3	649.1	627.3	611.9	595.6	588.4	583.5	563.2	561.6
5°	714.8	692.9	648.3	599.7	551.9	504.9	460.3	435.2	413.3	404.4	393.9
7.5°	744.8	711.5	632.9	549.5	459.5	386.6	337.1	309.6	286.9	282.8	279.6
10°	786.1	735.8	620.0	484.6	358.2	289.3	248.8	231.0	223.7	222.1	219.6
12.5°	831.5	766.6	605.4	409.3	280.4	222.1	205.0	205.0	209.1	210.7	210.7
15°	889.8	802.3	577.8	342.0	225.3	194.5	193.7	196.9	201.0	202.6	203.4
17.5°	940.9	839.6	543.0	280.4	193.7	184.8	186.4	188.8	192.9	196.1	196.1
20°	996.0	873.6	507.3	231.0	178.3	175.9	177.5	180.7	185.6	188.0	188.8
22.5°	1044.6	900.4	466.0	198.5	167.8	167.8	170.2	173.4	179.1	183.2	183.2
25°	1085.1	921.4	421.4	176.7	158.0	158.8	161.3	166.1	171.8	175.9	176.7
27.5°	1116.7	932.0	370.4	158.8	148.3	148.3	152.4	158.0	165.3	170.2	170.2
30°	1157.3	948.2	331.5	145.9	137.8	137.8	141.0	148.3	158.0	164.5	164.5
32.5°	1218.0	976.5	290.1	134.5	128.0	128.0	131.3	137.8	147.5	155.6	157.2
35°	1227.8	963.6	248.0	125.6	119.1	118.3	119.9	125.6	133.7	139.4	141.8
37.5°	1243.2	963.6	208.3	115.9	110.2	109.4	110.2	112.6	115.9	117.5	116.7
40°	1277.2	970.1	175.0	107.8	102.1	100.5	99.7	98.9	95.6	91.6	90.8
42.5°	1330.7	987.1	146.7	98.9	93.2	91.6	89.1	83.5	76.2	70.5	70.5
45°	1394.7	1002.5	123.2	91.6	85.1	83.5	76.2	67.3	58.3	54.3	54.3
47.5°	1473.3	1021.1	104.5	85.1	78.6	74.6	62.4	51.9	44.6	43.0	43.0
50°	1564.1	1032.5	88.3	77.8	72.1	64.8	49.4	40.5	34.8	34.0	34.0
52.5°	1627.3	1031.6	75.4	71.3	65.6	54.3	39.7	32.4	28.4	26.7	26.7
55°	1688.1	1020.3	63.2	63.2	56.7	43.8	32.4	26.7	22.7	21.1	20.3
57.5°	1761.8	1014.6	54.3	52.7	46.2	35.7	26.7	21.9	17.8	14.6	13.8
60°	1879.3	1024.3	45.4	42.1	36.5	28.4	21.9	17.0	13.0	8.9	8.1
62.5°	1957.9	1014.6	37.3	34.0	29.2	22.7	16.2	12.2	7.3	4.9	4.1
65°	1885.0	906.0	31.6	27.6	23.5	17.8	12.2	8.1	3.2	0.8	0.0
67.5°	1629.7	723.7	26.7	22.7	18.6	13.8	8.9	4.9	0.8	0.0	0.0
70°	1184.8	487.9	23.5	18.6	14.6	11.3	6.5	2.4	0.0	0.0	0.0
72.5°	620.0	229.3	21.1	17.0	13.0	8.9	4.9	1.6	0.0	0.0	0.0
75°	217.2	82.7	19.4	16.2	11.3	7.3	4.1	1.6	0.0	0.0	0.0
77.5°	68.1	37.3	19.4	17.0	12.2	7.3	4.1	1.6	0.0	0.0	0.0
80°	30.8	24.3	17.8	16.2	11.3	7.3	4.1	0.8	0.0	0.0	0.0
82.5°	21.9	19.4	17.0	14.6	10.5	6.5	3.2	0.8	0.0	0.0	0.0
85°	8.1	6.5	6.5	8.1	7.3	4.1	1.6	0.0	0.0	0.0	0.0
87.5°	0.8	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)