

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: P1208787

Luminaire Tested: UPW-SA2-070-730-U-T3R-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-11)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-070-730-U-T3R-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTI
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6812 lumens
Efficiency: N/A
Efficacy: 103.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
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

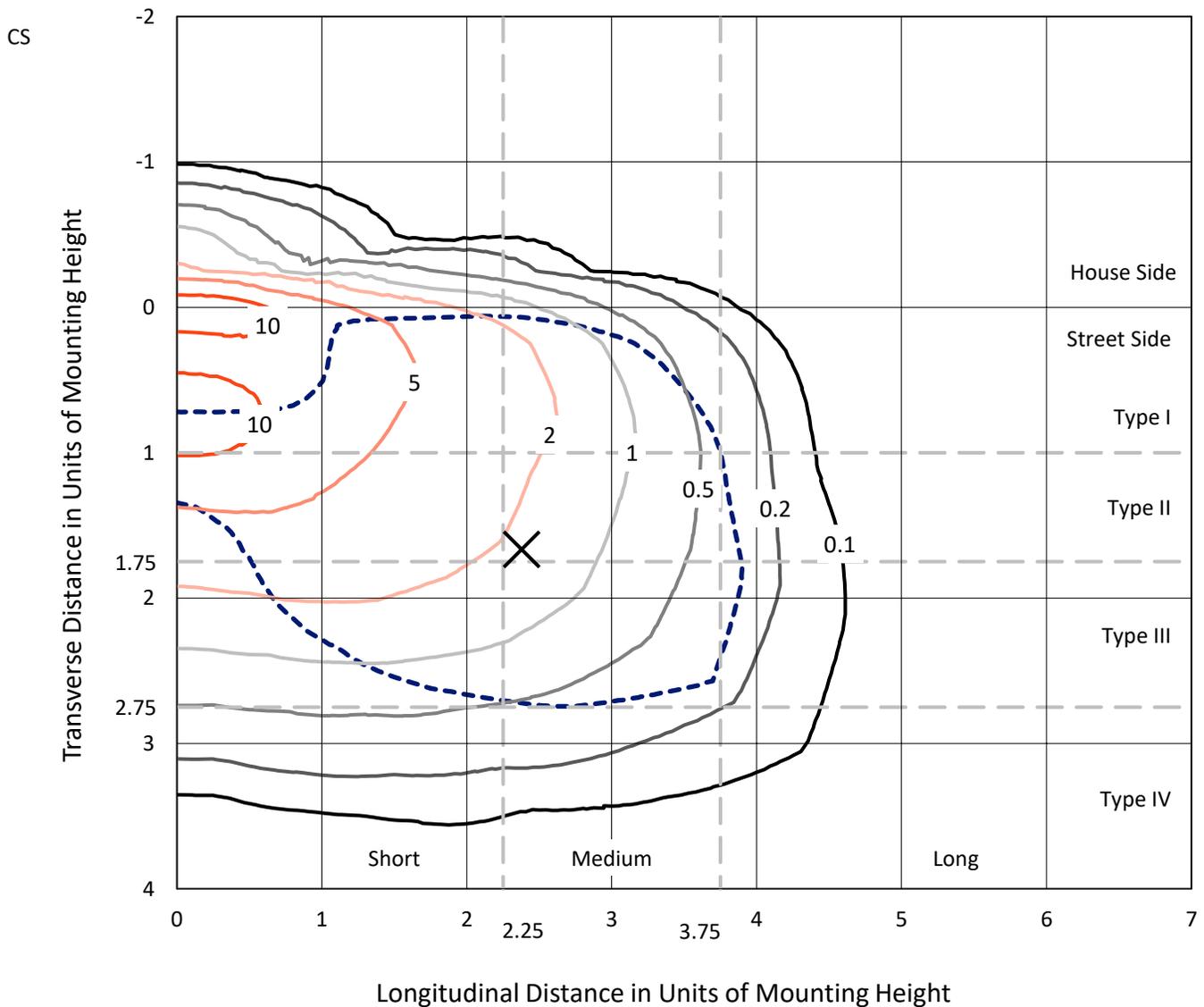


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

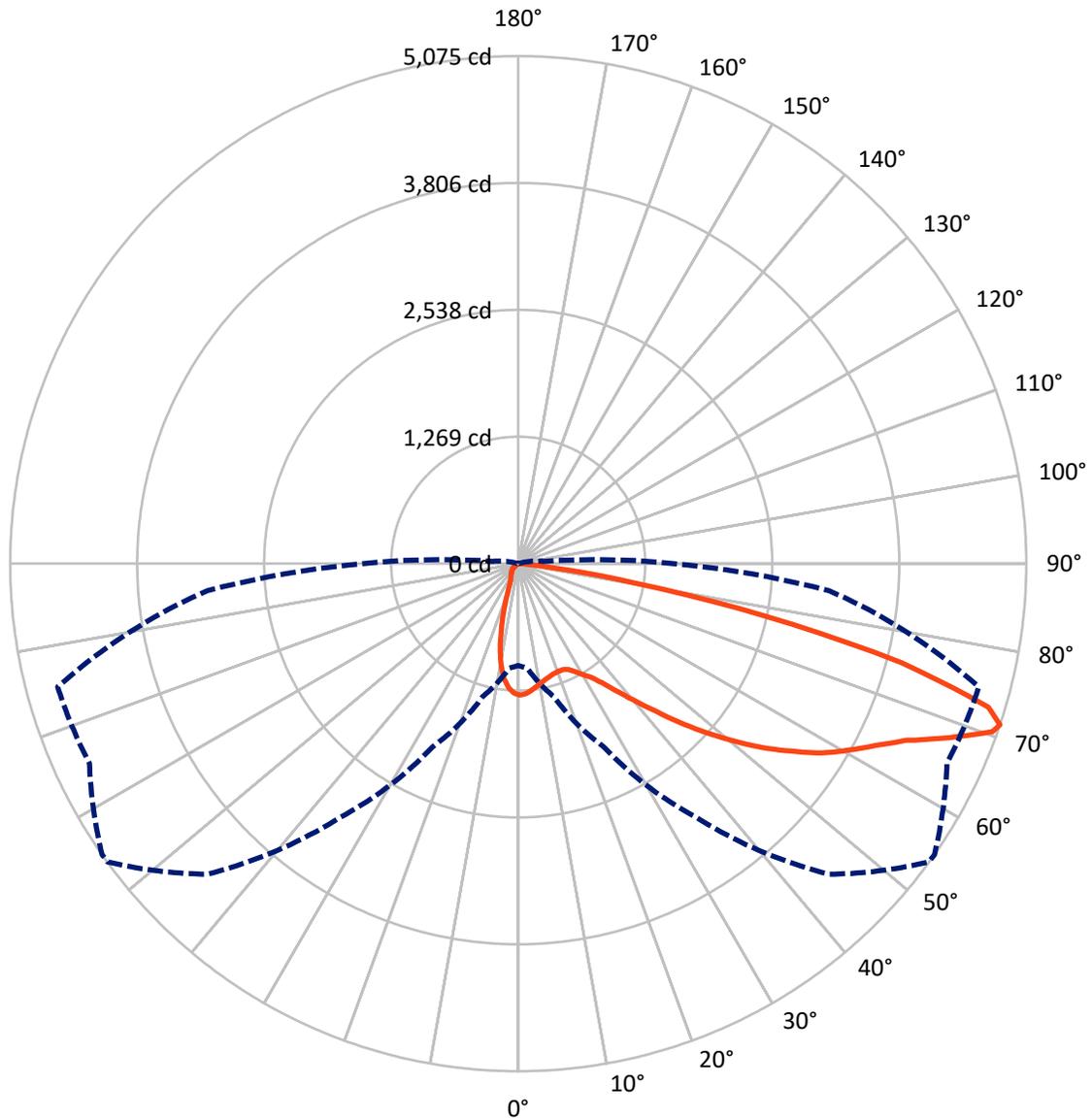


Based on 10 foot mounting height. Maximum calculated value = 13.5 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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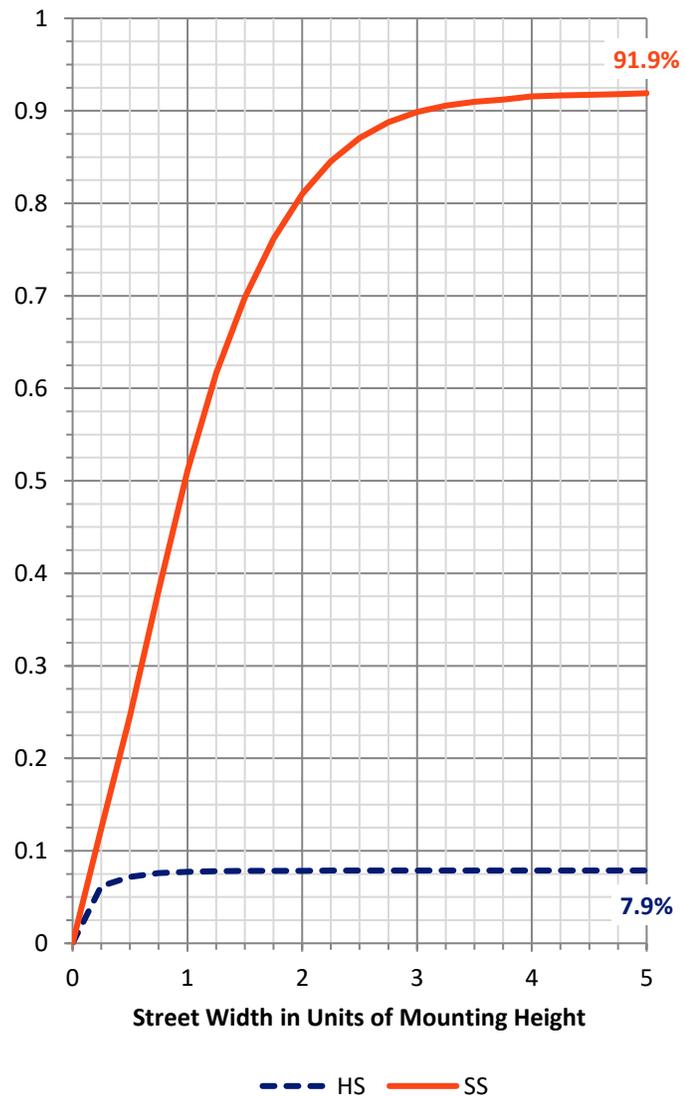
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	539.3	0.0	539.3
	% Fixture	7.9	0.0	7.9
Street Side	Lumens	6272.7	0.0	6272.7
	% Fixture	92.1	0.0	92.1
Total	Lumens	6812.0	0.0	6812.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.0	1.6
10°-20°	252.9	3.7
20°-30°	406.4	6.0
30°-40°	690.5	10.1
40°-50°	1071.7	15.7
50°-60°	1440.8	21.2
60°-70°	1762.6	25.9
70°-80°	1030.6	15.1
80°-90°	44.5	0.7
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°	6812.0	100.0
0°-180°	6812.0	100.0



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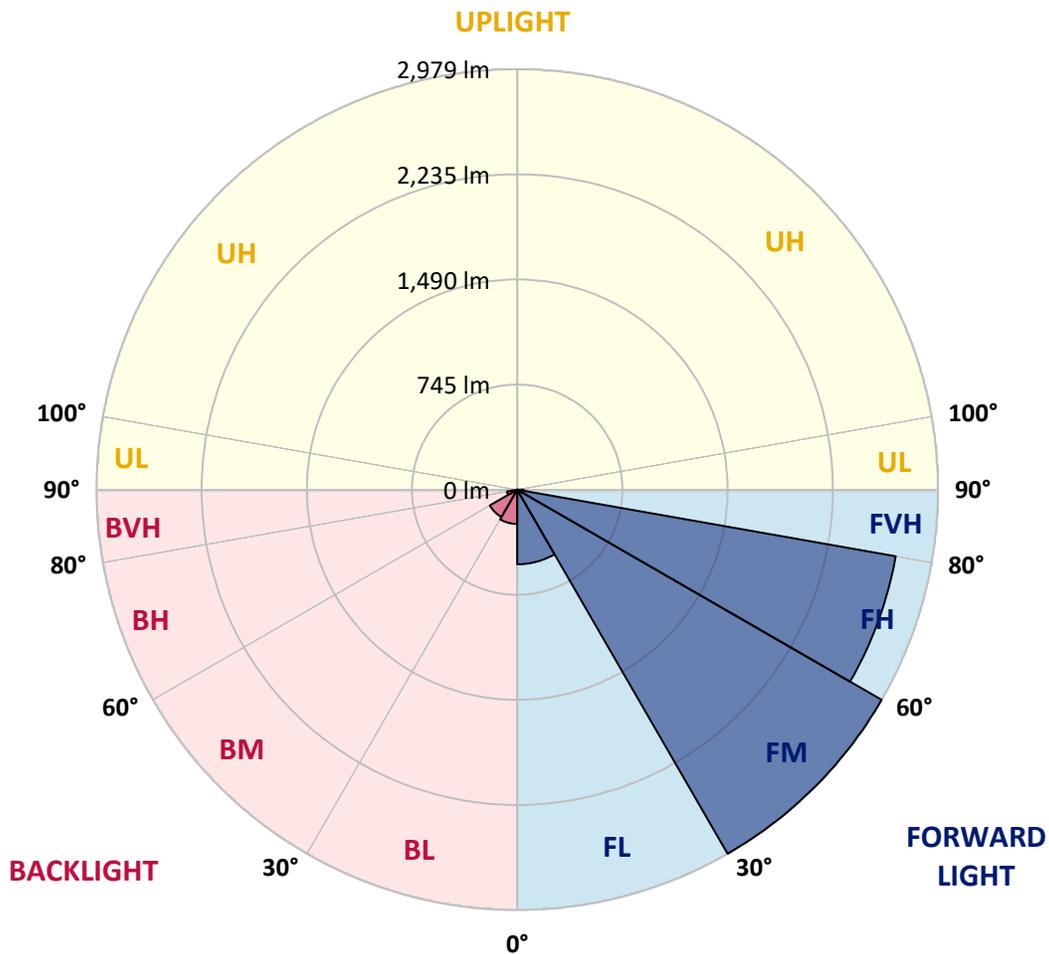
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	528.5	7.8			
FM	(30°-60°)	2979.4	43.7			
FH	(60°-80°)	2720.9	39.9			G2/5000
FVH	(80°-90°)	43.8	0.6			G1/100
BL	(0°-30°)	242.8	3.6	B1/500		
BM	(30°-60°)	223.6	3.3	B1/1000		
BH	(60°-80°)	72.3	1.1	B0/110		G0/110
BVH	(80°-90°)	0.7	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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7
2.5°	1275.2	1276.7	1282.2	1284.7	1290.5	1300.3	1305.2	1305.5	1313.4	1316.5	1318.9
5°	1184.9	1194.1	1203.3	1213.1	1230.8	1254.4	1277.6	1279.8	1305.5	1324.4	1334.5
7.5°	1107.3	1115.5	1126.5	1142.1	1167.2	1204.2	1243.1	1247.7	1296.3	1339.4	1362.0
10°	1027.4	1034.2	1050.1	1073.0	1107.6	1157.1	1209.4	1217.1	1288.0	1359.6	1399.4
12.5°	942.1	946.1	965.3	998.4	1049.1	1112.1	1181.0	1191.1	1282.8	1382.8	1443.4
15°	877.2	879.1	897.4	931.7	989.8	1071.8	1158.9	1171.2	1284.0	1410.7	1491.4
17.5°	860.7	861.6	871.4	895.0	946.4	1035.7	1141.5	1156.5	1287.7	1437.9	1539.8
20°	927.7	921.3	911.2	907.5	929.5	1014.0	1131.1	1147.9	1292.6	1462.1	1583.2
22.5°	1111.5	1092.6	1050.7	994.7	960.7	1015.5	1133.9	1150.7	1308.2	1491.7	1633.4
25°	1384.4	1358.1	1286.8	1176.7	1070.9	1059.5	1156.8	1173.9	1338.5	1527.2	1681.4
27.5°	1694.8	1668.8	1581.7	1424.4	1244.0	1146.7	1209.4	1225.3	1383.5	1558.7	1718.1
30°	1992.1	1984.8	1882.0	1703.4	1461.8	1288.0	1277.3	1290.8	1416.8	1577.7	1747.1
32.5°	2244.2	2232.6	2150.0	1976.2	1711.0	1457.8	1357.2	1361.1	1441.9	1602.2	1785.1
35°	2477.9	2463.5	2391.0	2226.7	1966.8	1665.2	1480.1	1474.3	1496.6	1651.4	1840.1
37.5°	2681.9	2695.0	2614.6	2458.3	2196.2	1880.8	1645.9	1628.5	1582.3	1731.5	1920.0
40°	2852.6	2852.6	2810.7	2680.4	2443.9	2103.8	1833.4	1810.5	1711.0	1855.1	2021.2
42.5°	2914.0	2927.2	2942.8	2869.1	2665.7	2335.6	2042.3	2018.4	1892.4	2030.4	2149.1
45°	2917.7	2938.5	3018.3	3018.0	2866.0	2566.0	2277.8	2266.5	2124.9	2255.5	2307.5
47.5°	2866.0	2892.0	3023.5	3098.2	3024.8	2780.4	2535.4	2521.3	2398.0	2531.4	2473.3
50°	2786.2	2814.9	2967.9	3129.7	3132.7	2967.0	2806.7	2785.6	2698.7	2846.7	2644.6
52.5°	2643.3	2699.0	2918.0	3137.0	3203.7	3128.1	3064.8	3055.7	3035.2	3150.5	2781.0
55°	2337.8	2399.6	2792.9	3139.5	3269.5	3271.0	3306.8	3309.2	3350.5	3434.3	2882.5
57.5°	2193.4	2228.3	2574.5	3151.1	3367.0	3433.1	3553.3	3572.3	3636.2	3703.8	2998.5
60°	2102.6	2143.9	2466.9	3135.2	3520.3	3645.7	3781.8	3788.2	3856.7	3981.8	3155.4
62.5°	2030.1	2070.8	2399.0	3074.0	3692.5	3901.4	4005.1	4005.7	4057.1	4313.1	3333.7
65°	1851.1	1885.4	2261.6	3005.2	3806.3	4154.3	4264.5	4260.5	4302.4	4662.4	3540.8
67.5°	1592.4	1618.7	1981.1	2744.3	3763.4	4384.4	4656.0	4642.8	4592.1	4964.3	3622.1
70°	1231.1	1240.6	1561.5	2287.0	3362.1	4472.8	5034.3	5027.6	4769.8	4910.2	3323.9
71°	1017.6	1048.8	1376.1	2018.4	3093.3	4391.1	5071.0	5075.0	4725.1	4762.7	3118.7
72.5°	590.9	617.6	997.4	1550.2	2626.2	4050.4	4880.8	4909.5	4516.5	4332.1	2663.8
75°	126.6	135.5	369.8	750.3	1444.6	2838.8	3852.5	3954.9	3681.2	2947.1	1605.5
77.5°	88.1	95.1	158.4	340.4	477.5	1402.7	2393.1	2508.8	2199.2	1107.6	513.9
80°	69.7	77.7	123.6	168.2	129.1	452.4	1121.0	1191.7	733.5	247.1	86.6
82.5°	38.8	46.2	96.3	90.8	49.6	85.9	313.8	354.8	146.8	49.9	20.5
85°	11.3	13.8	62.1	66.1	21.1	16.5	53.5	66.4	27.8	13.2	9.2
87.5°	0.0	0.0	30.0	25.4	6.1	2.4	4.9	5.5	5.5	5.5	6.1
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°	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7	1313.7
2.5°	1318.9	1321.1	1313.4	1303.3	1292.6	1279.5	1265.7	1255.0	1254.7	1249.5	1244.3
5°	1335.1	1333.9	1312.8	1280.7	1242.8	1203.3	1165.7	1123.2	1109.1	1091.7	1085.8
7.5°	1365.1	1356.5	1311.9	1241.5	1158.3	1075.8	990.4	904.5	867.8	834.7	828.9
10°	1402.7	1386.5	1306.1	1182.8	1030.2	877.9	749.1	632.2	580.9	541.4	539.6
12.5°	1441.9	1417.1	1289.9	1094.1	862.3	648.1	499.8	384.8	342.0	314.4	316.9
15°	1482.9	1445.9	1255.0	974.5	671.1	439.8	307.1	239.5	222.4	215.3	217.2
17.5°	1524.8	1465.7	1206.4	830.4	482.4	283.8	212.6	193.6	193.6	195.1	195.8
20°	1561.2	1476.4	1134.8	668.9	327.0	206.8	186.0	183.2	184.7	187.2	187.5
22.5°	1597.3	1477.1	1041.5	505.3	228.8	181.1	177.1	175.9	176.8	179.5	179.9
25°	1626.6	1469.7	924.6	359.4	182.6	170.7	168.8	168.2	168.8	172.2	172.2
27.5°	1638.6	1443.1	782.1	252.6	163.6	159.1	158.4	159.1	160.0	162.4	162.7
30°	1639.8	1396.6	626.7	182.9	148.3	143.5	144.7	146.8	145.9	145.3	145.9
32.5°	1642.8	1342.8	475.3	150.5	135.5	127.9	126.3	126.3	122.7	120.5	119.3
35°	1652.9	1279.5	344.7	135.2	122.3	113.5	107.7	100.9	93.9	90.2	89.3
37.5°	1668.8	1213.1	246.8	125.1	110.7	100.6	89.6	77.7	67.6	64.8	64.8
40°	1697.9	1144.6	182.6	117.1	101.5	89.0	72.5	56.9	47.7	46.2	46.2
42.5°	1743.8	1072.4	145.6	110.1	93.6	77.1	55.4	41.3	34.6	33.6	33.3
45°	1791.5	992.9	127.2	103.4	85.0	63.3	41.0	30.6	26.6	25.7	25.7
47.5°	1839.2	908.1	118.4	97.0	76.8	49.2	30.6	24.2	22.3	22.3	22.6
50°	1879.6	819.7	111.9	89.9	66.1	37.3	24.2	20.5	19.9	21.1	21.4
52.5°	1889.7	732.9	104.0	81.1	52.9	28.4	19.9	18.0	18.0	18.0	18.0
55°	1883.6	665.6	93.6	70.0	39.2	22.6	17.1	15.9	15.6	15.6	15.6
57.5°	1904.4	625.8	74.9	54.4	28.1	18.4	15.0	14.1	13.5	13.2	13.2
60°	1946.3	599.8	53.5	39.2	21.1	15.3	12.8	11.9	11.0	10.4	10.4
62.5°	2001.9	577.2	39.8	29.1	16.2	12.2	10.7	9.8	8.6	8.0	8.0
65°	2044.8	536.8	30.3	21.7	12.2	9.8	8.3	8.0	6.1	5.5	5.2
67.5°	1979.3	448.1	24.5	15.9	9.2	7.6	6.4	6.1	3.7	3.1	3.1
70°	1697.6	312.0	19.6	11.6	6.7	6.1	5.2	4.0	2.8	2.4	2.4
71°	1539.5	260.6	17.7	9.8	5.8	5.8	4.9	3.4	2.4	2.1	2.1
72.5°	1278.8	185.1	15.0	7.6	5.2	6.1	5.2	3.1	2.4	2.1	1.8
75°	742.4	77.4	10.4	5.2	4.0	7.3	6.7	2.8	1.8	1.5	1.5
77.5°	223.3	28.4	5.8	3.4	3.1	6.4	7.6	2.4	0.9	0.3	0.3
80°	40.7	12.2	3.7	2.1	2.1	4.0	5.8	1.2	0.0	0.0	0.0
82.5°	14.4	6.1	2.1	1.2	0.9	1.8	2.8	0.0	0.0	0.0	0.0
85°	8.3	4.3	1.2	0.6	0.0	0.3	0.6	0.0	0.0	0.0	0.0
87.5°	5.5	1.2	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)