

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P156993

Luminaire Tested: **UTLD-F03-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156993
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33666)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-F03-LED-E-U-5XQ-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5942.6 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 78.3
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

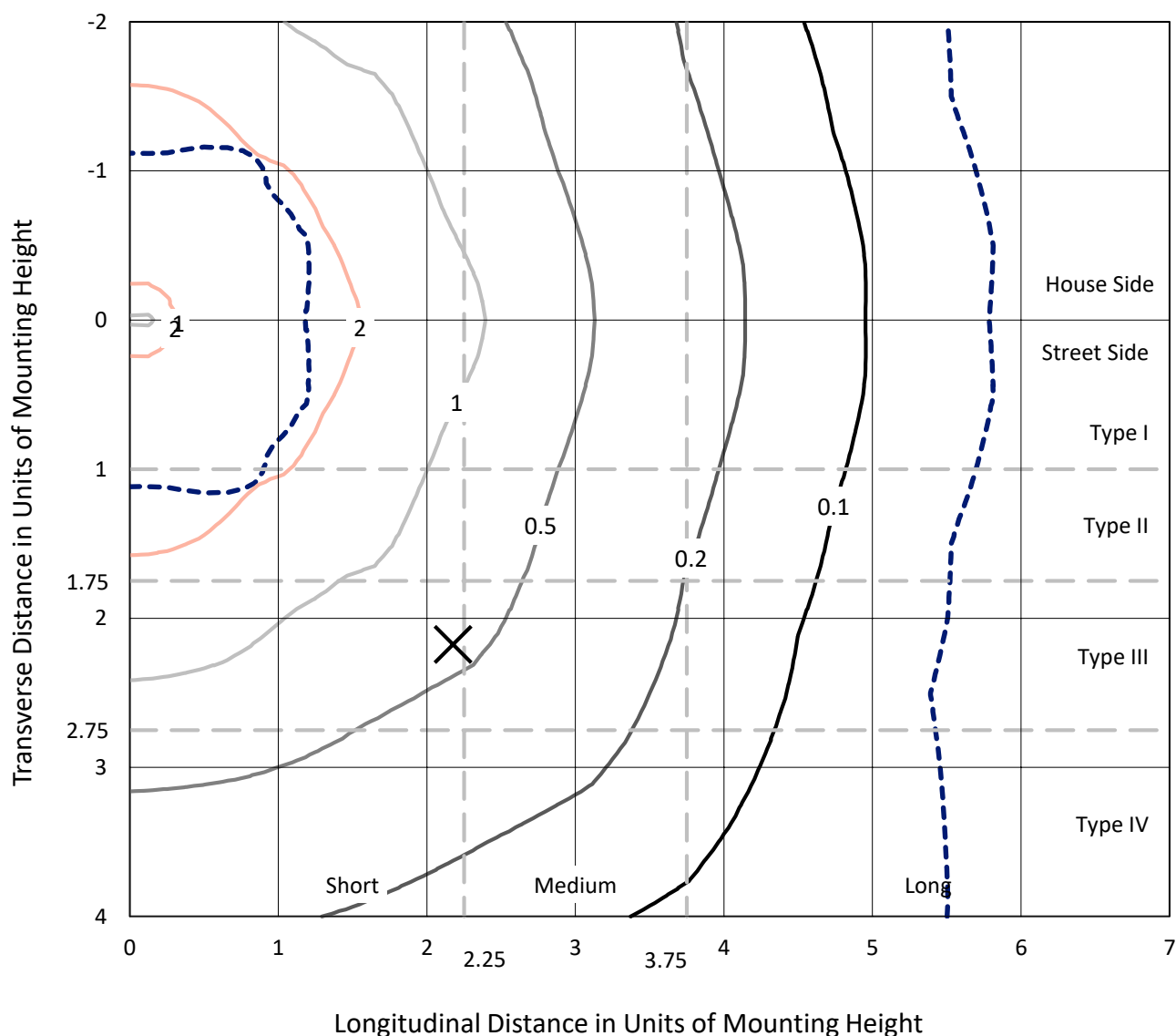


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

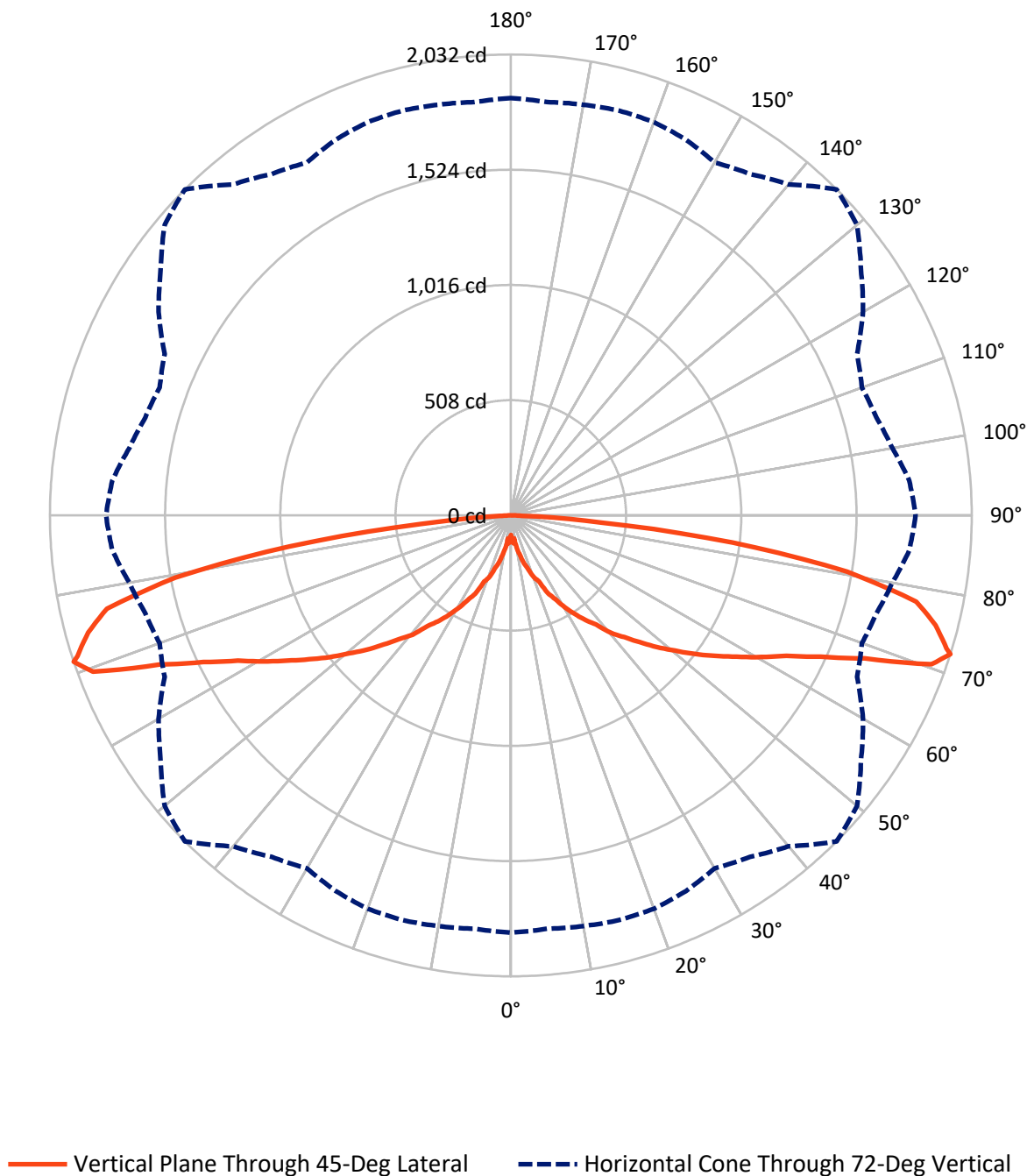


Based on 10 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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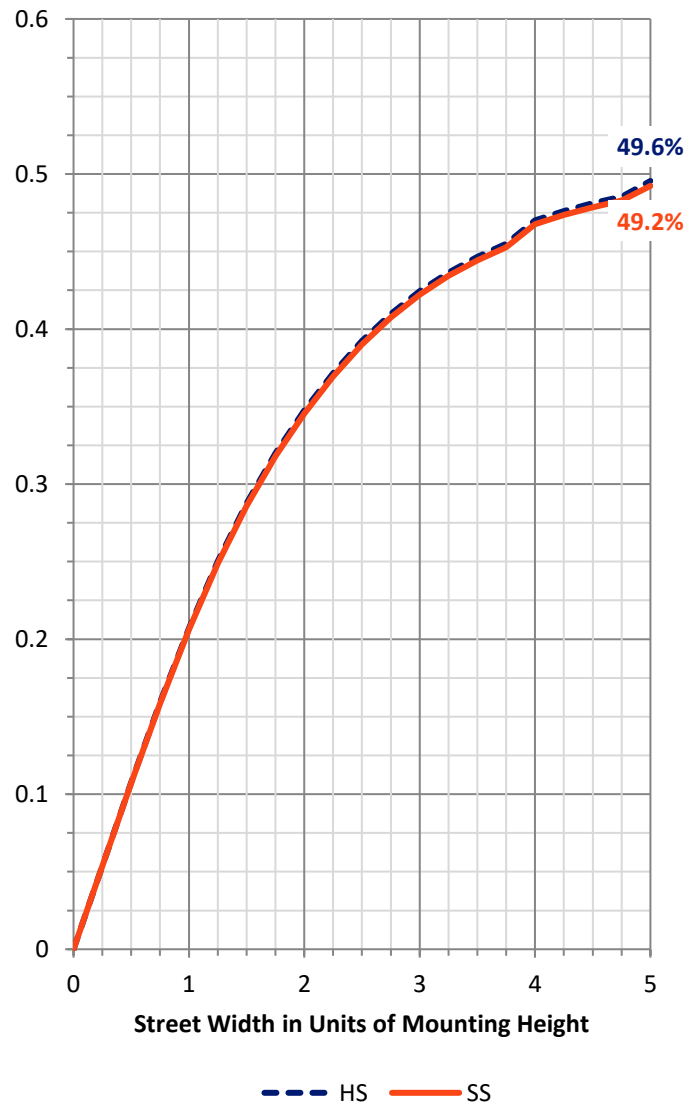
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2971.3	0.0	2971.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2971.3	0.0	2971.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5942.6	0.0	5942.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.2
10°-20°	63.2	1.1
20°-30°	187.5	3.2
30°-40°	380.9	6.4
40°-50°	649.7	10.9
50°-60°	1007.9	17.0
60°-70°	1511.3	25.4
70°-80°	1748.1	29.4
80°-90°	382.4	6.4
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°	5942.6	100.0
0°-180°	5942.6	100.0

Coefficient of Utilization



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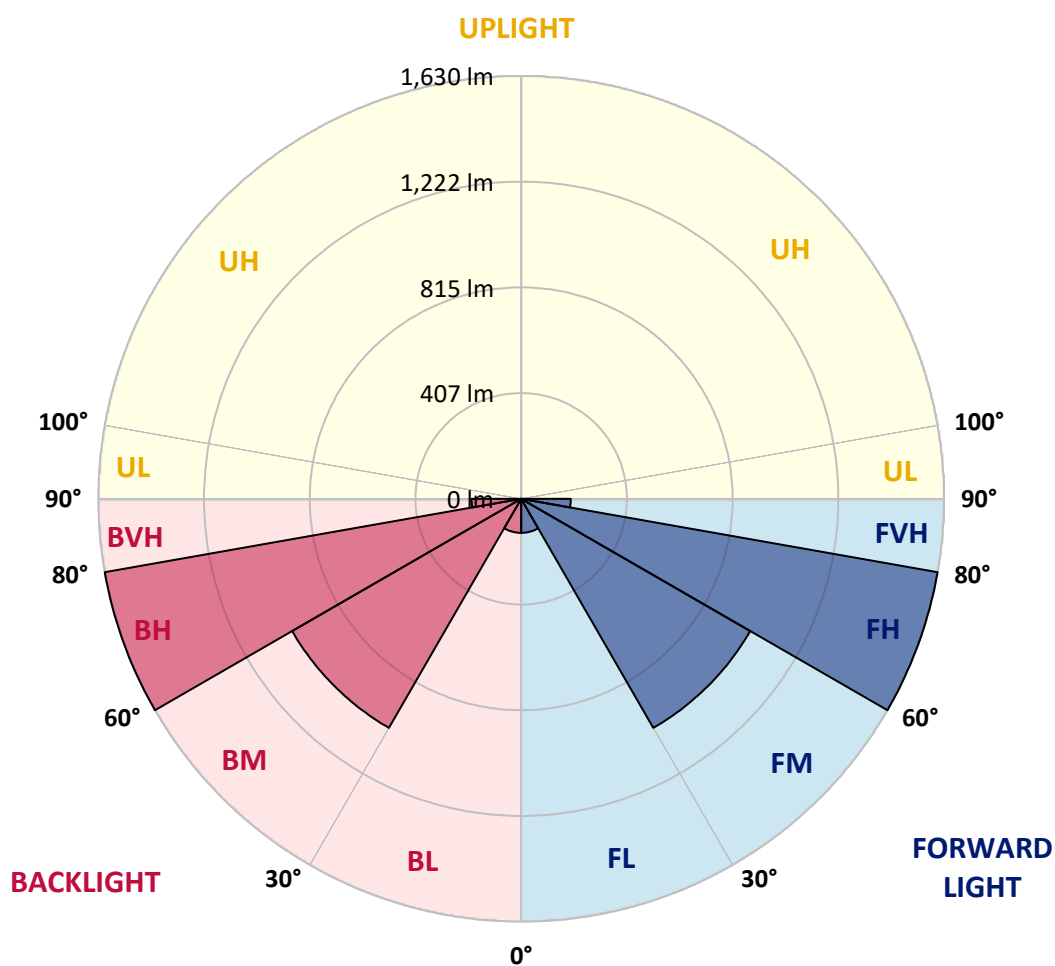
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	131.1	2.2			
FM	(30°-60°)	1019.3	17.2			
FH	(60°-80°)	1629.7	27.4			G1/1800
FVH	(80°-90°)	191.2	3.2			G2/225
BL	(0°-30°)	131.1	2.2	B1/500		
BM	(30°-60°)	1019.3	17.2	B2/2500		
BH	(60°-80°)	1629.7	27.4	B3/2500		G1/1800
BVH	(80°-90°)	191.2	3.2			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2.5°	136.9	134.8	135.9	134.8	134.8	133.8	120.2	116.0	116.0	117.1	115.0
5°	101.4	102.4	101.4	104.5	106.6	102.4	102.4	104.5	105.6	123.3	125.4
7.5°	156.8	157.8	156.8	155.7	144.2	132.7	130.6	127.5	104.5	102.4	100.3
10°	163.0	163.0	165.1	160.9	159.9	159.9	158.9	157.8	151.5	148.4	126.5
12.5°	217.4	219.5	218.4	216.3	215.3	189.2	185.0	165.1	157.8	179.8	198.6
15°	226.8	225.7	227.8	223.7	221.6	221.6	212.2	220.5	236.2	218.4	204.8
17.5°	281.1	281.1	281.1	279.0	271.7	250.8	252.9	257.1	256.1	248.7	257.1
20°	314.6	314.6	312.5	292.6	279.0	291.6	309.4	299.9	287.4	291.6	298.9
22.5°	345.9	347.0	344.9	338.6	337.6	348.0	332.3	322.9	343.8	314.6	329.2
25°	407.6	408.6	405.5	376.2	372.1	372.1	370.0	375.2	361.6	379.4	404.5
27.5°	441.0	422.2	419.1	410.7	428.5	421.2	418.0	395.0	442.1	418.0	434.8
30°	491.2	491.2	487.0	481.8	478.7	456.7	448.3	463.0	465.1	470.3	514.2
32.5°	566.4	568.5	557.0	528.8	510.0	505.8	512.1	510.0	515.2	518.4	554.9
35°	628.1	629.2	608.3	589.4	575.9	562.3	559.1	551.8	565.4	566.4	594.7
37.5°	693.9	700.2	680.4	671.0	649.0	628.1	604.1	600.9	615.6	610.3	655.3
40°	792.2	795.3	777.6	756.7	710.7	686.6	659.5	656.3	657.4	681.4	703.4
42.5°	852.8	853.8	838.2	813.1	785.9	757.7	720.1	706.5	712.8	733.7	753.5
45°	920.7	919.7	906.1	886.2	858.0	821.5	776.5	765.0	771.3	797.4	815.2
47.5°	990.8	988.7	979.3	956.3	921.8	882.1	837.1	832.9	832.9	867.4	882.1
50°	1058.7	1059.7	1050.3	1028.4	986.6	947.9	912.4	895.7	900.9	936.4	953.1
52.5°	1135.0	1137.1	1123.5	1100.5	1055.6	1026.3	990.8	965.7	965.7	1014.8	1029.4
55°	1214.4	1215.5	1207.1	1177.8	1143.3	1108.9	1067.1	1036.7	1037.8	1092.1	1104.7
57.5°	1295.9	1293.8	1284.4	1262.5	1239.5	1184.1	1139.2	1112.0	1119.3	1174.7	1184.1
60°	1381.6	1380.6	1371.2	1350.3	1315.8	1247.9	1221.7	1205.0	1198.7	1267.7	1268.8
62.5°	1479.9	1475.7	1468.4	1449.6	1402.5	1340.9	1312.6	1304.3	1291.7	1362.8	1366.0
65°	1601.1	1593.8	1588.6	1567.7	1520.6	1448.5	1411.9	1421.3	1413.0	1500.8	1489.3
67.5°	1788.2	1774.6	1757.9	1739.1	1686.8	1621.0	1570.8	1591.7	1586.5	1682.6	1678.4
70°	1939.7	1931.4	1930.3	1928.2	1903.1	1861.3	1805.9	1823.7	1845.7	1966.9	1954.3
72°	1839.4	1828.9	1838.3	1846.7	1844.6	1826.8	1796.5	1837.3	1904.2	2031.7	1992.0
72.5°	1815.3	1804.9	1811.2	1818.5	1818.5	1801.8	1774.6	1813.3	1884.3	2008.7	1971.1
75°	1703.5	1700.4	1705.6	1715.0	1725.5	1717.1	1712.9	1737.0	1811.2	1933.4	1886.4
77.5°	1519.6	1523.8	1530.0	1543.6	1563.5	1572.9	1596.9	1634.5	1718.1	1826.8	1788.2
80°	1160.1	1153.8	1169.5	1197.7	1218.6	1239.5	1271.9	1317.9	1405.7	1503.9	1444.3
82.5°	387.7	433.7	458.8	513.1	584.2	633.3	703.4	795.3	903.0	984.5	910.3
85°	33.4	39.7	55.4	76.3	98.2	130.6	197.5	247.7	327.1	400.3	338.6
87.5°	8.4	13.6	24.0	33.4	34.5	35.5	39.7	42.8	47.0	48.1	59.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	85.7	85.7	85.7	85.7	85.7	85.7	85.7	85.7
2.5°	112.9	107.6	98.2	88.8	87.8	86.7	85.7	84.7
5°	126.5	133.8	116.0	113.9	109.7	89.9	86.7	84.7
7.5°	101.4	102.4	119.1	119.1	107.6	104.5	86.7	84.7
10°	112.9	109.7	134.8	157.8	164.1	152.6	127.5	125.4
12.5°	192.3	167.2	144.2	146.3	164.1	158.9	142.1	124.4
15°	203.8	196.5	199.6	198.6	196.5	210.1	189.2	185.0
17.5°	250.8	243.5	241.4	215.3	203.8	204.8	210.1	196.5
20°	269.6	270.7	326.1	327.1	306.2	303.1	302.0	298.9
22.5°	364.7	362.7	351.2	347.0	326.1	386.7	395.0	395.0
25°	382.5	412.8	455.7	454.6	443.1	425.4	428.5	408.6
27.5°	476.6	476.6	475.5	486.0	501.6	492.2	486.0	476.6
30°	496.4	528.8	537.2	521.5	528.8	539.3	550.8	561.2
32.5°	553.9	548.7	579.0	592.6	604.1	612.4	585.3	595.7
35°	599.9	618.7	623.9	623.9	632.3	637.5	619.7	619.7
37.5°	652.1	660.5	656.3	662.6	665.7	677.2	675.1	669.9
40°	696.0	704.4	702.3	706.5	705.4	725.3	731.6	709.6
42.5°	751.4	756.7	753.5	755.6	769.2	778.6	798.5	784.9
45°	806.8	812.0	808.9	812.0	835.0	839.2	866.4	864.3
47.5°	870.6	871.6	871.6	882.1	901.9	905.1	935.4	934.3
50°	938.5	943.7	934.3	947.9	969.9	983.4	1008.5	1022.1
52.5°	1014.8	1019.0	994.9	1028.4	1046.1	1067.1	1079.6	1101.5
55°	1083.8	1090.0	1065.0	1098.4	1115.1	1135.0	1166.3	1186.2
57.5°	1156.9	1152.7	1152.7	1161.1	1176.8	1204.0	1244.7	1281.3
60°	1240.5	1225.9	1223.8	1223.8	1254.1	1301.2	1333.6	1371.2
62.5°	1337.7	1313.7	1317.9	1303.2	1338.8	1396.3	1434.9	1482.0
65°	1453.7	1425.5	1419.3	1411.9	1438.1	1501.8	1561.4	1596.9
67.5°	1626.2	1584.4	1561.4	1554.1	1584.4	1645.0	1720.2	1757.9
70°	1882.2	1809.1	1730.7	1712.9	1714.0	1773.5	1835.2	1869.7
72°	1884.3	1792.4	1683.7	1647.1	1668.0	1707.7	1763.1	1784.0
72.5°	1856.1	1768.3	1654.4	1627.2	1658.6	1688.9	1749.5	1765.2
75°	1792.4	1704.6	1590.6	1572.9	1585.4	1605.3	1662.8	1668.0
77.5°	1686.8	1588.6	1450.6	1416.1	1385.8	1427.6	1470.5	1456.9
80°	1353.4	1241.6	1110.9	1084.8	1032.6	1060.8	1085.9	1066.0
82.5°	795.3	662.6	547.6	482.8	400.3	380.4	388.8	326.1
85°	252.9	169.3	119.1	80.5	71.1	55.4	46.0	39.7
87.5°	55.4	46.0	41.8	38.7	38.7	32.4	23.0	18.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)