

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: P156934

Luminaire Tested: **UTLD-F03-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156934
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33664)
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-5MQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6367.6 lumens
Efficiency: N/A
Efficacy: 81.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

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

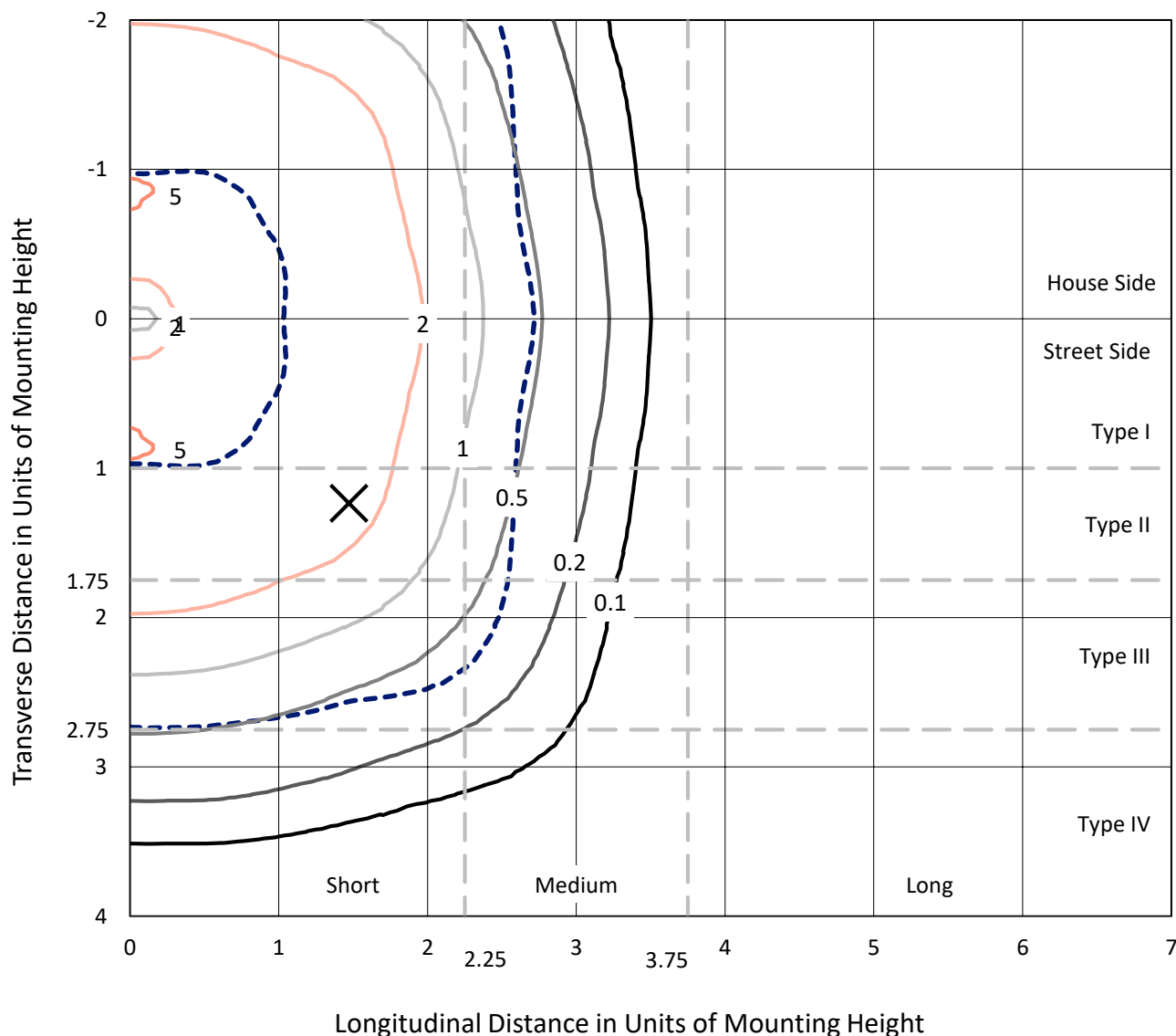


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

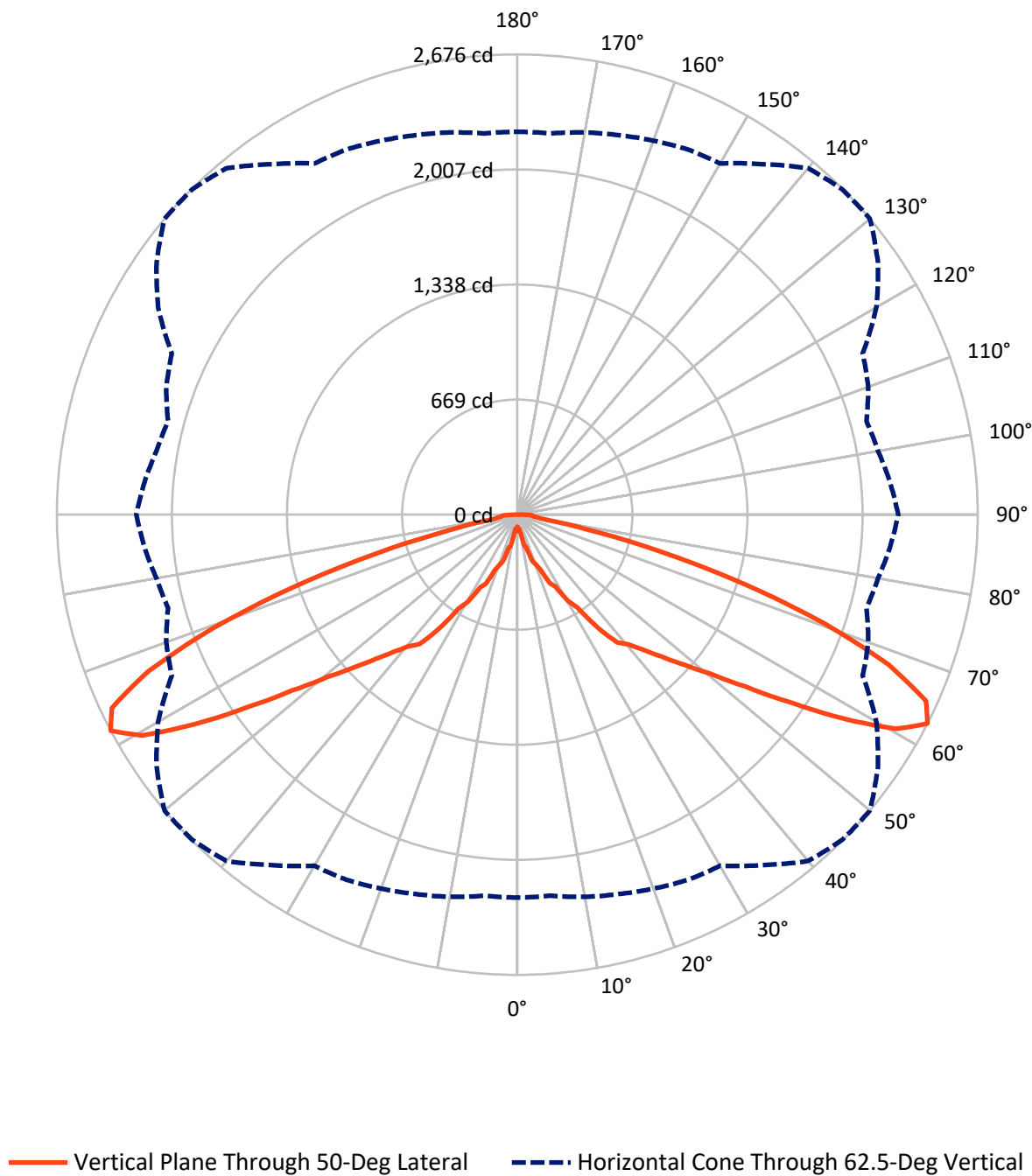


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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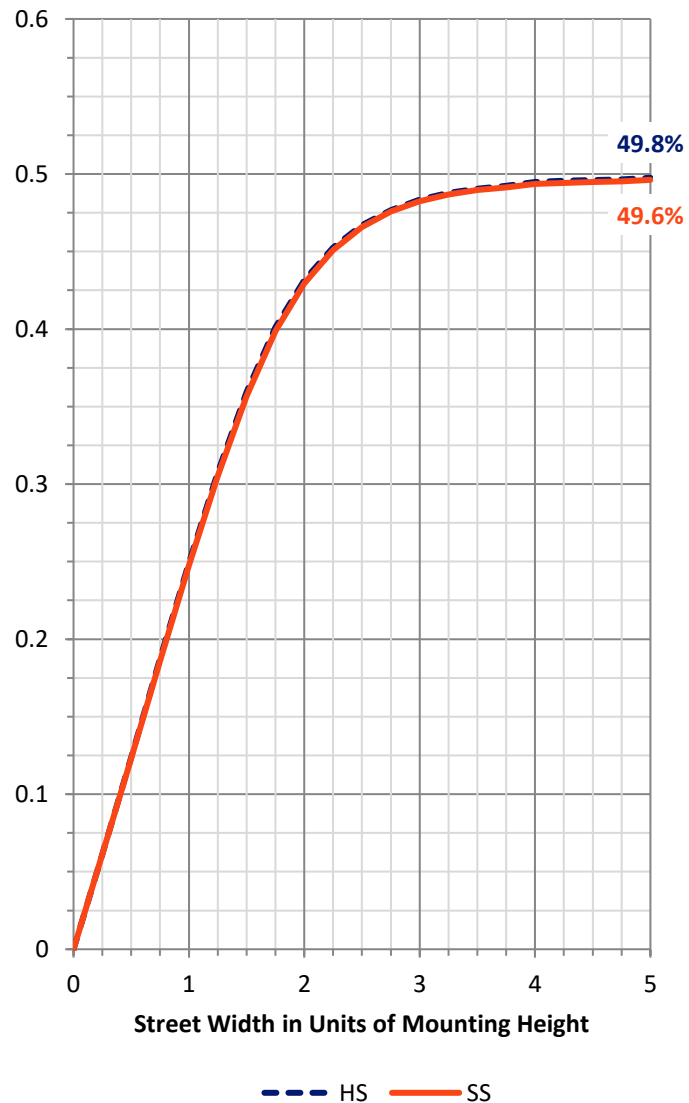
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3183.8	0.0	3183.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3183.8	0.0	3183.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	6367.6	0.0	6367.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.7	0.2
10°-20°	61.3	1.0
20°-30°	204.1	3.2
30°-40°	522.4	8.2
40°-50°	968.1	15.2
50°-60°	1759.1	27.6
60°-70°	2073.5	32.6
70°-80°	680.1	10.7
80°-90°	89.2	1.4
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°	6367.6	100.0
0°-180°	6367.6	100.0

Coefficient of Utilization



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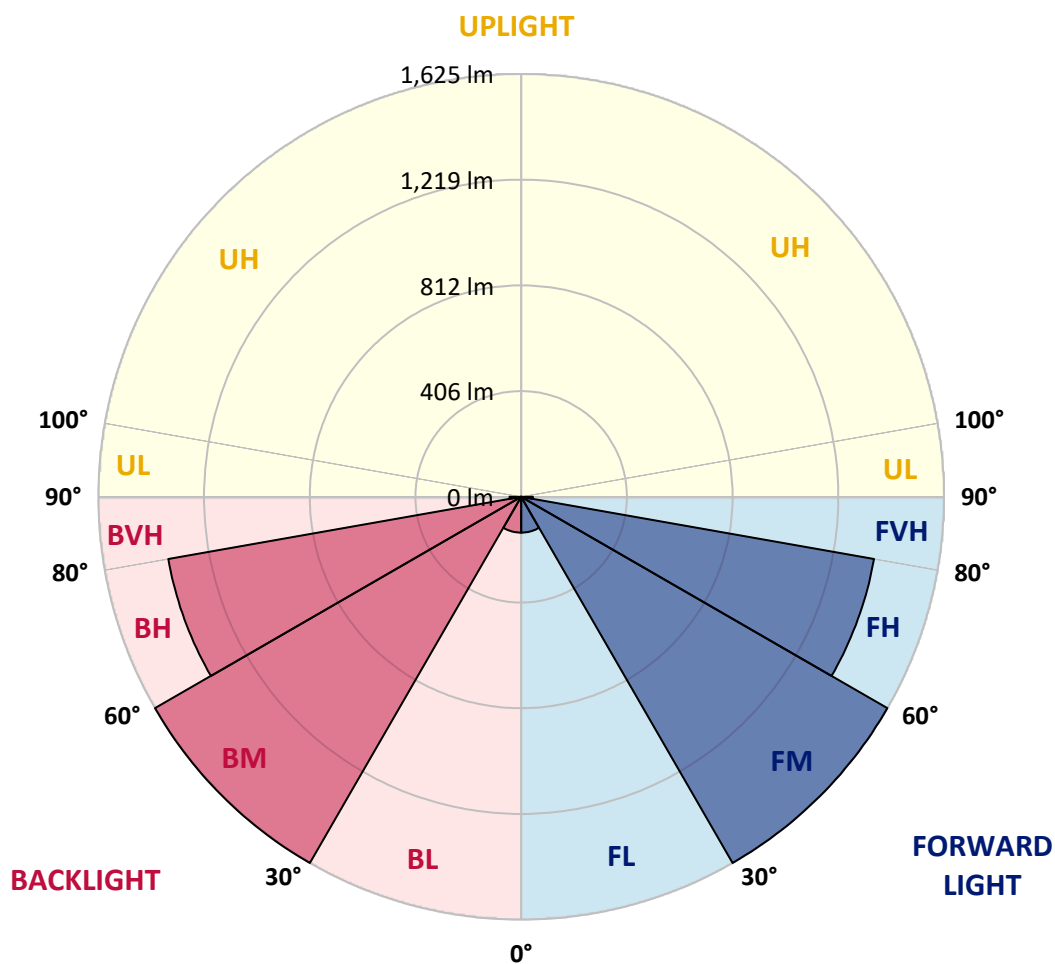
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.6	2.2			
FM	(30°-60°)	1624.8	25.5			
FH	(60°-80°)	1376.8	21.6			G1/1800
FVH	(80°-90°)	44.6	0.7			G1/100
BL	(0°-30°)	137.6	2.2	B1/500		
BM	(30°-60°)	1624.8	25.5	B2/2500		
BH	(60°-80°)	1376.8	21.6	B3/2500		G1/1800
BVH	(80°-90°)	44.6	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	110.2	110.2	110.2	110.8	112.0	111.1	109.1	108.3	97.0	95.9	84.6
5°	80.8	81.1	81.7	81.4	81.7	84.0	82.6	84.0	82.0	84.8	98.4
7.5°	131.2	132.9	132.0	130.9	129.8	123.8	109.4	97.0	85.7	84.6	83.7
10°	140.8	141.4	140.8	140.2	140.0	140.0	139.4	135.2	133.8	130.6	111.7
12.5°	200.8	202.1	201.0	199.6	199.0	175.0	162.3	147.6	143.1	182.3	186.6
15°	212.6	214.9	212.6	211.2	210.6	207.3	204.4	236.1	233.0	198.8	197.6
17.5°	277.1	277.4	276.0	275.1	267.8	254.5	261.0	254.8	249.9	248.8	282.4
20°	317.2	312.1	302.5	288.1	279.9	312.2	315.8	306.5	284.4	298.9	310.4
22.5°	361.9	362.5	360.5	351.2	350.0	369.2	338.7	345.5	359.1	339.0	347.2
25°	446.8	446.5	439.6	408.0	401.8	394.7	393.9	403.5	382.8	412.5	442.2
27.5°	487.4	481.8	473.6	460.3	481.0	469.6	461.2	425.5	485.2	457.2	474.2
30°	596.6	593.2	577.6	569.2	563.8	525.6	511.5	544.3	529.9	535.5	581.3
32.5°	775.8	776.4	751.0	706.6	646.9	643.5	623.4	605.1	624.3	615.8	645.2
35°	938.7	917.2	863.8	848.0	816.6	802.4	781.2	751.8	765.7	761.4	810.4
37.5°	1011.7	1010.6	981.1	960.5	946.9	897.2	881.6	900.3	888.4	876.8	942.1
40°	1167.8	1165.2	1133.2	1102.4	1070.8	996.7	972.6	956.8	944.4	946.9	990.8
42.5°	1263.3	1266.1	1231.9	1204.5	1155.3	1099.3	1060.3	1052.1	1030.9	1030.3	1073.6
45°	1370.8	1369.6	1344.5	1307.7	1257.4	1213.0	1159.8	1154.7	1136.1	1135.2	1177.6
47.5°	1494.1	1490.1	1469.2	1436.1	1390.3	1328.9	1286.5	1276.0	1262.2	1254.2	1304.6
50°	1662.0	1661.2	1635.4	1594.7	1557.6	1497.7	1445.7	1420.2	1414.6	1404.4	1453.9
52.5°	1883.6	1879.4	1867.0	1813.6	1780.2	1684.6	1630.6	1608.6	1617.6	1608.0	1661.2
55°	2124.0	2113.3	2107.9	2059.5	2034.1	1942.2	1879.4	1869.8	1880.0	1888.4	1929.2
57.5°	2315.1	2308.9	2317.1	2286.3	2250.4	2192.2	2130.8	2158.8	2189.9	2202.3	2239.6
60°	2355.8	2359.8	2377.6	2379.9	2374.2	2362.6	2323.3	2389.8	2478.3	2508.0	2529.2
62.5°	2226.4	2224.6	2256.6	2284.0	2314.3	2343.7	2357.6	2487.4	2629.3	2673.1	2676.2
65°	1997.4	1999.3	2038.3	2066.6	2103.9	2151.7	2233.4	2373.9	2567.6	2622.2	2610.9
67.5°	1692.5	1706.4	1737.5	1784.7	1817.8	1873.2	1970.2	2108.7	2292.8	2343.4	2328.2
70°	1319.8	1336.0	1368.8	1398.5	1447.6	1517.8	1574.9	1726.8	1873.5	1915.3	1891.6
72.5°	831.8	847.6	902.8	937.0	983.1	1046.2	1103.6	1241.0	1376.2	1418.0	1374.7
75°	294.6	308.5	359.6	407.2	456.9	530.4	608.2	728.3	868.0	920.0	858.7
77.5°	115.4	117.9	127.2	133.5	153.0	184.1	229.0	296.6	407.7	456.6	406.6
80°	101.2	106.0	111.7	115.4	115.6	113.6	111.7	117.4	142.0	158.6	138.3
82.5°	87.6	93.0	103.8	110.6	111.4	108.6	105.5	101.5	98.1	93.9	101.0
85°	64.5	78.0	93.0	102.1	103.8	101.5	100.4	96.1	89.1	80.6	91.3
87.5°	26.0	39.9	73.0	86.5	86.0	78.6	80.9	82.3	72.9	53.4	77.5
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°	69.0	69.0	69.0	69.0	69.0	69.0	69.0	69.0
2.5°	85.4	77.2	74.1	70.4	69.6	68.7	68.7	68.4
5°	106.0	110.5	107.7	92.7	75.2	73.8	70.4	70.1
7.5°	83.9	83.7	96.1	106.3	99.0	74.4	73.5	73.0
10°	93.6	120.2	122.2	126.1	156.4	132.0	112.0	109.2
12.5°	182.4	150.1	131.2	135.2	144.2	156.4	119.6	114.8
15°	192.8	193.1	211.2	189.8	186.4	208.4	170.5	176.5
17.5°	246.0	244.0	243.2	205.0	200.8	199.6	204.7	192.3
20°	282.7	269.2	322.9	336.8	307.6	297.4	303.1	300.3
22.5°	378.9	388.2	361.0	358.8	352.6	387.7	397.5	382.8
25°	398.4	440.5	483.2	484.1	465.1	450.7	473.1	454.1
27.5°	523.6	513.5	527.9	517.1	570.6	556.4	555.3	536.1
30°	568.0	589.2	620.0	616.7	635.0	626.3	617.0	649.2
32.5°	674.0	674.9	701.8	768.5	795.1	816.0	799.6	808.7
35°	823.9	868.3	881.3	877.1	883.0	910.2	889.2	889.0
37.5°	946.6	946.4	939.3	929.1	943.2	963.6	967.6	949.4
40°	1005.4	1004.9	1008.9	1015.4	1037.4	1050.1	1072.2	1042.2
42.5°	1087.7	1083.5	1098.8	1115.2	1134.1	1146.6	1179.9	1147.4
45°	1194.9	1192.6	1205.4	1217.8	1233.6	1239.8	1284.5	1285.9
47.5°	1317.6	1323.5	1307.4	1321.0	1338.0	1351.8	1407.0	1414.8
50°	1465.5	1479.6	1441.2	1452.7	1474.2	1505.4	1548.4	1578.8
52.5°	1672.8	1663.4	1634.0	1625.2	1668.2	1723.6	1766.0	1815.8
55°	1941.1	1908.6	1875.7	1859.6	1907.1	1981.2	2024.4	2089.0
57.5°	2233.4	2177.4	2090.6	2103.1	2126.6	2187.9	2211.1	2312.3
60°	2467.6	2374.5	2239.4	2208.0	2199.5	2232.3	2295.9	2346.8
62.5°	2558.9	2410.4	2215.4	2171.2	2101.1	2129.6	2174.6	2214.5
65°	2457.4	2266.0	2071.1	1992.2	1911.6	1939.1	1962.8	1987.7
67.5°	2182.0	1995.1	1815.2	1707.8	1635.1	1637.7	1669.6	1667.6
70°	1776.8	1596.1	1444.9	1356.4	1283.7	1270.6	1288.8	1304.0
72.5°	1248.9	1102.4	991.3	906.8	828.5	821.6	801.6	821.7
75°	718.2	577.9	488.6	400.1	320.0	303.7	276.0	280.5
77.5°	294.6	206.1	159.4	128.9	118.7	115.9	117.6	116.5
80°	119.3	109.4	107.2	106.8	108.8	110.3	110.8	105.8
82.5°	106.6	106.3	104.6	103.8	104.4	104.9	98.1	93.8
85°	99.8	99.5	97.6	96.1	96.4	93.3	83.4	74.0
87.5°	88.8	83.7	80.0	84.8	86.5	79.4	53.2	43.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)