

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: P156982

Luminaire Tested: **UTLD-E02-LED-E-U-5XQ-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156982
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-E02-LED-E-U-5XQ-7060
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (42) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5834.5 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 52.1
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

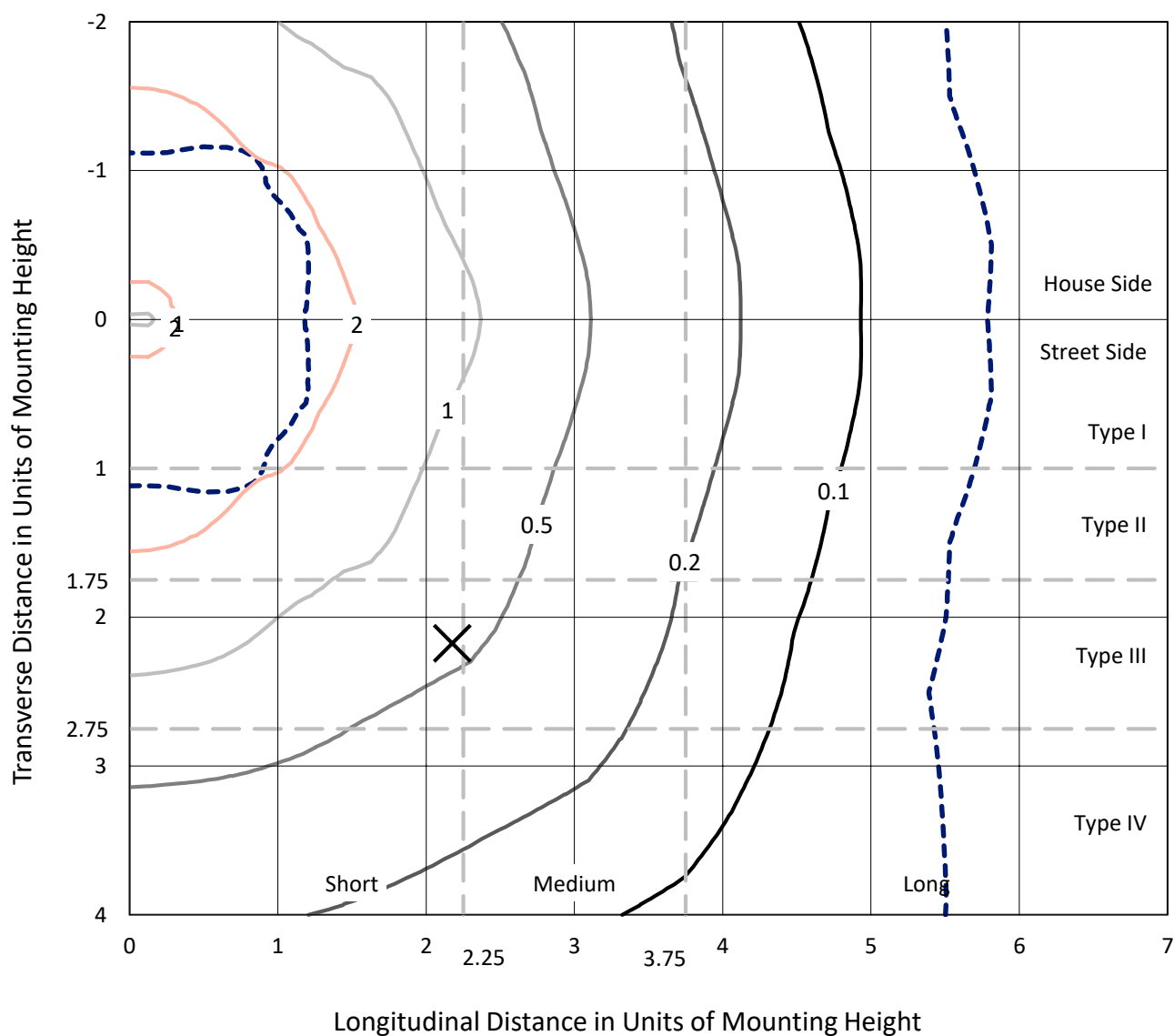


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

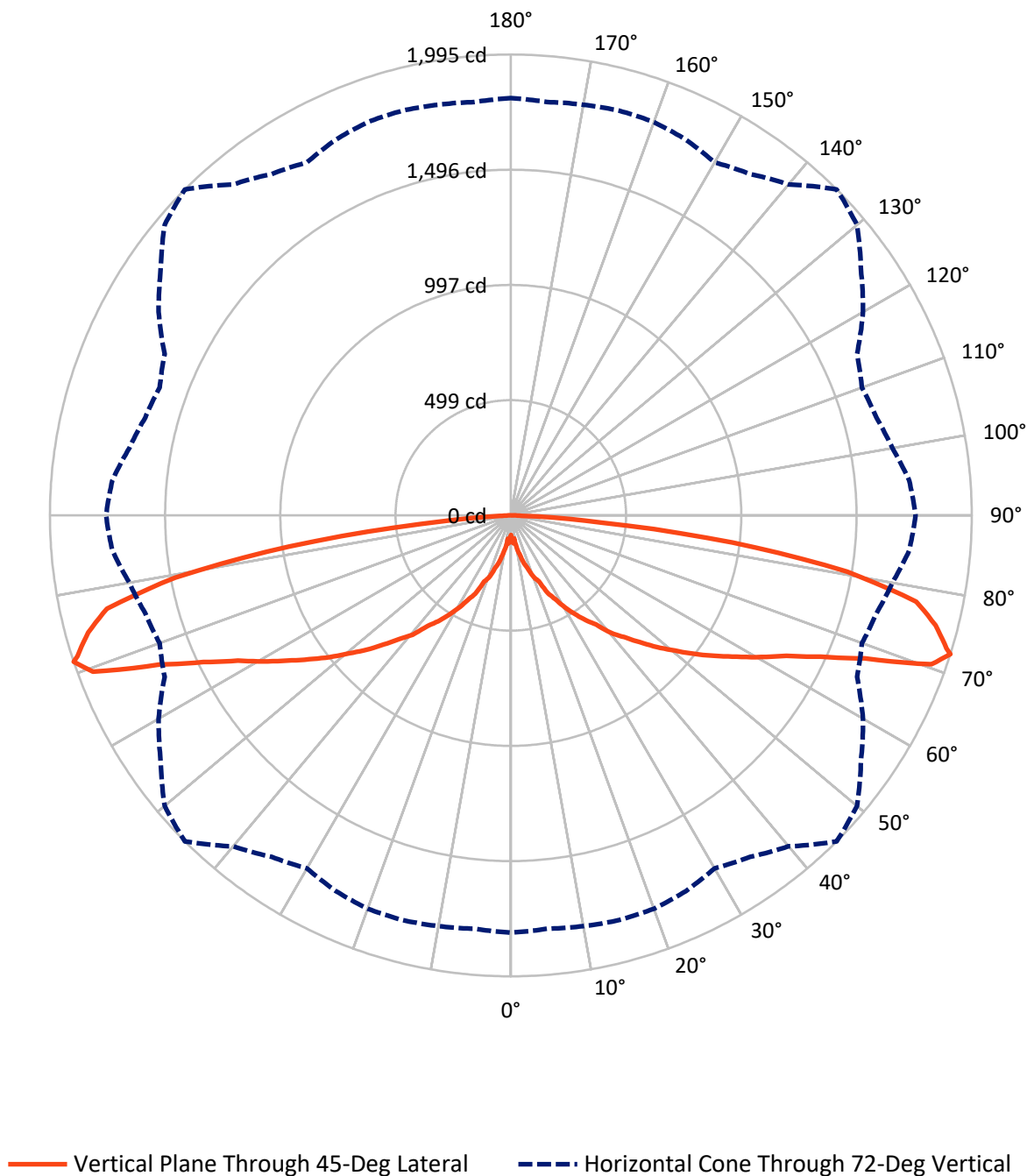


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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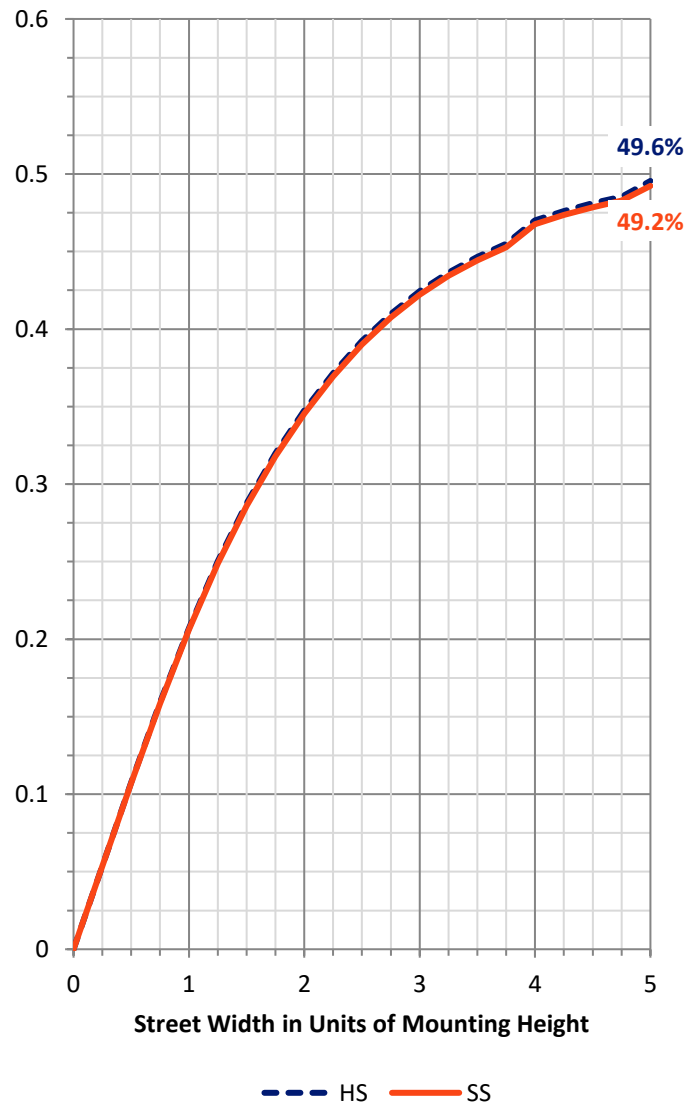
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2917.3	0.0	2917.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2917.3	0.0	2917.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	5834.5	0.0	5834.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.4	0.2
10°-20°	62.0	1.1
20°-30°	184.1	3.2
30°-40°	374.0	6.4
40°-50°	637.9	10.9
50°-60°	989.6	17.0
60°-70°	1483.8	25.4
70°-80°	1716.3	29.4
80°-90°	375.5	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°	5834.5	100.0
0°-180°	5834.5	100.0

Coefficient of Utilization



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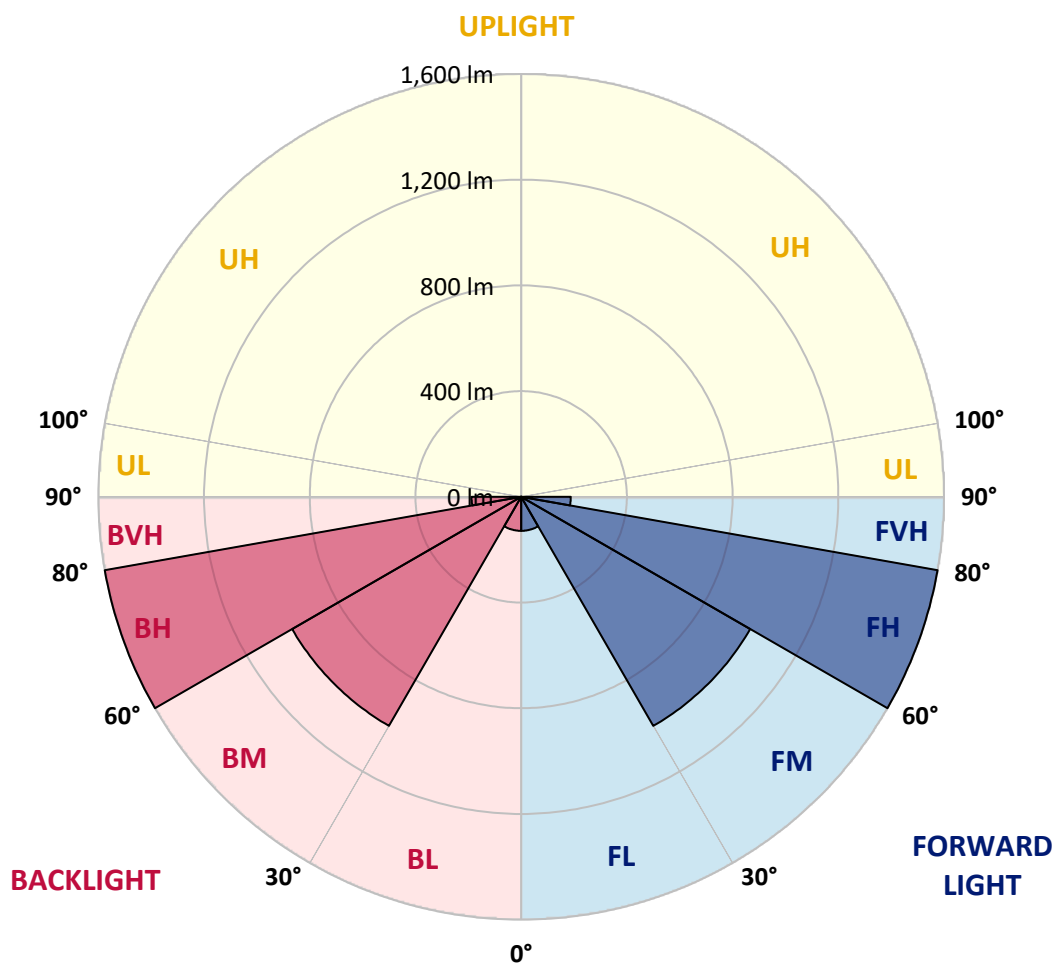
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	128.8	2.2			
FM	(30°-60°)	1000.7	17.2			
FH	(60°-80°)	1600.0	27.4			G1/1800
FVH	(80°-90°)	187.7	3.2			G2/225
BL	(0°-30°)	128.8	2.2	B1/500		
BM	(30°-60°)	1000.7	17.2	B2/2500		
BH	(60°-80°)	1600.0	27.4	B3/2500		G1/1800
BVH	(80°-90°)	187.7	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°	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2.5°	134.4	132.4	133.4	132.4	132.4	131.3	118.0	113.9	113.9	114.9	112.9
5°	99.5	100.6	99.5	102.6	104.7	100.6	100.6	102.6	103.6	121.1	123.1
7.5°	153.9	154.9	153.9	152.9	141.6	130.3	128.3	125.2	102.6	100.6	98.5
10°	160.1	160.1	162.1	158.0	157.0	157.0	156.0	154.9	148.8	145.7	124.2
12.5°	213.4	215.5	214.5	212.4	211.4	185.7	181.6	162.1	154.9	176.5	195.0
15°	222.7	221.6	223.7	219.6	217.5	217.5	208.3	216.5	231.9	214.5	201.1
17.5°	276.0	276.0	276.0	274.0	266.8	246.3	248.3	252.4	251.4	244.2	252.4
20°	308.9	308.9	306.8	287.3	274.0	286.3	303.7	294.5	282.2	286.3	293.5
22.5°	339.6	340.7	338.6	332.5	331.4	341.7	326.3	317.1	337.6	308.9	323.2
25°	400.2	401.2	398.1	369.4	365.3	365.3	363.2	368.4	355.0	372.5	397.1
27.5°	433.0	414.5	411.5	403.3	420.7	413.5	410.4	387.9	434.0	410.4	426.9
30°	482.3	482.3	478.2	473.0	470.0	448.4	440.2	454.6	456.6	461.7	504.8
32.5°	556.1	558.2	546.9	519.2	500.7	496.6	502.8	500.7	505.9	508.9	544.9
35°	616.7	617.7	597.2	578.7	565.4	552.0	549.0	541.8	555.1	556.1	583.9
37.5°	681.3	687.5	668.0	658.8	637.2	616.7	593.1	590.0	604.4	599.2	643.4
40°	777.8	780.9	763.4	742.9	697.8	674.2	647.5	644.4	645.4	669.0	690.6
42.5°	837.3	838.3	822.9	798.3	771.6	743.9	707.0	693.6	699.8	720.3	739.8
45°	904.0	903.0	889.6	870.1	842.4	806.5	762.4	751.1	757.3	782.9	800.4
47.5°	972.7	970.7	961.5	938.9	905.0	866.0	821.9	817.8	817.8	851.7	866.0
50°	1039.4	1040.5	1031.2	1009.7	968.6	930.7	895.8	879.4	884.5	919.4	935.8
52.5°	1114.4	1116.4	1103.1	1080.5	1036.4	1007.6	972.7	948.1	948.1	996.3	1010.7
55°	1192.3	1193.4	1185.2	1156.4	1122.6	1088.7	1047.7	1017.9	1018.9	1072.3	1084.6
57.5°	1272.4	1270.3	1261.1	1239.5	1217.0	1162.6	1118.5	1091.8	1099.0	1153.3	1162.6
60°	1356.5	1355.5	1346.3	1325.7	1291.9	1225.2	1199.5	1183.1	1176.9	1244.7	1245.7
62.5°	1453.0	1448.9	1441.7	1423.2	1377.0	1316.5	1288.8	1280.6	1268.3	1338.0	1341.1
65°	1572.0	1564.8	1559.7	1539.2	1493.0	1422.2	1386.3	1395.5	1387.3	1473.5	1462.2
67.5°	1755.7	1742.3	1725.9	1707.4	1656.1	1591.5	1542.2	1562.8	1557.6	1652.0	1647.9
70°	1904.5	1896.2	1895.2	1893.2	1868.5	1827.5	1773.1	1790.6	1812.1	1931.1	1918.8
72°	1805.9	1795.7	1804.9	1813.1	1811.1	1793.6	1763.9	1803.9	1869.6	1994.7	1955.8
72.5°	1782.3	1772.1	1778.2	1785.4	1785.4	1769.0	1742.3	1780.3	1850.1	1972.2	1935.2
75°	1672.6	1669.5	1674.6	1683.8	1694.1	1685.9	1681.8	1705.4	1778.2	1898.3	1852.1
77.5°	1492.0	1496.1	1502.2	1515.6	1535.1	1544.3	1567.9	1604.8	1686.9	1793.6	1755.7
80°	1139.0	1132.8	1148.2	1175.9	1196.4	1217.0	1248.8	1293.9	1380.1	1476.6	1418.1
82.5°	380.7	425.8	450.5	503.8	573.6	621.8	690.6	780.9	886.6	966.6	893.7
85°	32.8	39.0	54.4	74.9	96.5	128.3	193.9	243.2	321.2	393.0	332.5
87.5°	8.2	13.3	23.6	32.8	33.9	34.9	39.0	42.1	46.2	47.2	58.5
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°	84.1	84.1	84.1	84.1	84.1	84.1	84.1	84.1
2.5°	110.8	105.7	96.5	87.2	86.2	85.2	84.1	83.1
5°	124.2	131.3	113.9	111.8	107.7	88.2	85.2	83.1
7.5°	99.5	100.6	117.0	117.0	105.7	102.6	85.2	83.1
10°	110.8	107.7	132.4	154.9	161.1	149.8	125.2	123.1
12.5°	188.8	164.2	141.6	143.7	161.1	156.0	139.6	122.1
15°	200.1	192.9	196.0	195.0	192.9	206.2	185.7	181.6
17.5°	246.3	239.1	237.0	211.4	200.1	201.1	206.2	192.9
20°	264.7	265.8	320.1	321.2	300.6	297.6	296.5	293.5
22.5°	358.1	356.1	344.8	340.7	320.1	379.7	387.9	387.9
25°	375.6	405.3	447.4	446.4	435.1	417.6	420.7	401.2
27.5°	467.9	467.9	466.9	477.1	492.5	483.3	477.1	467.9
30°	487.4	519.2	527.4	512.0	519.2	529.5	540.8	551.0
32.5°	543.8	538.7	568.5	581.8	593.1	601.3	574.6	584.9
35°	589.0	607.5	612.6	612.6	620.8	625.9	608.5	608.5
37.5°	640.3	648.5	644.4	650.6	653.6	664.9	662.9	657.7
40°	683.4	691.6	689.5	693.6	692.6	712.1	718.3	696.7
42.5°	737.8	742.9	739.8	741.9	755.2	764.4	783.9	770.6
45°	792.2	797.3	794.2	797.3	819.9	824.0	850.6	848.6
47.5°	854.7	855.8	855.8	866.0	885.5	888.6	918.4	917.3
50°	921.4	926.6	917.3	930.7	952.2	965.6	990.2	1003.5
52.5°	996.3	1000.5	976.9	1009.7	1027.1	1047.7	1060.0	1081.5
55°	1064.1	1070.2	1045.6	1078.4	1094.9	1114.4	1145.1	1164.6
57.5°	1135.9	1131.8	1131.8	1140.0	1155.4	1182.1	1222.1	1258.0
60°	1218.0	1203.6	1201.6	1201.6	1231.3	1277.5	1309.3	1346.3
62.5°	1313.4	1289.8	1293.9	1279.6	1314.4	1370.9	1408.8	1455.0
65°	1427.3	1399.6	1393.5	1386.3	1411.9	1474.5	1533.0	1567.9
67.5°	1596.6	1555.6	1533.0	1525.8	1555.6	1615.1	1689.0	1725.9
70°	1848.0	1776.2	1699.2	1681.8	1682.8	1741.3	1801.8	1835.7
72°	1850.1	1759.8	1653.1	1617.1	1637.7	1676.7	1731.0	1751.6
72.5°	1822.4	1736.2	1624.3	1597.6	1628.4	1658.2	1717.7	1733.1
75°	1759.8	1673.6	1561.7	1544.3	1556.6	1576.1	1632.5	1637.7
77.5°	1656.1	1559.7	1424.2	1390.4	1360.6	1401.7	1443.7	1430.4
80°	1328.8	1219.0	1090.8	1065.1	1013.8	1041.5	1066.1	1046.6
82.5°	780.9	650.6	537.7	474.1	393.0	373.5	381.7	320.1
85°	248.3	166.2	117.0	79.0	69.8	54.4	45.1	39.0
87.5°	54.4	45.1	41.0	38.0	38.0	31.8	22.6	18.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)