

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: P156959

Luminaire Tested: **UTLD-E03-LED-E-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156959
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33665)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-E03-LED-E-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7741.9 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 75.2
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

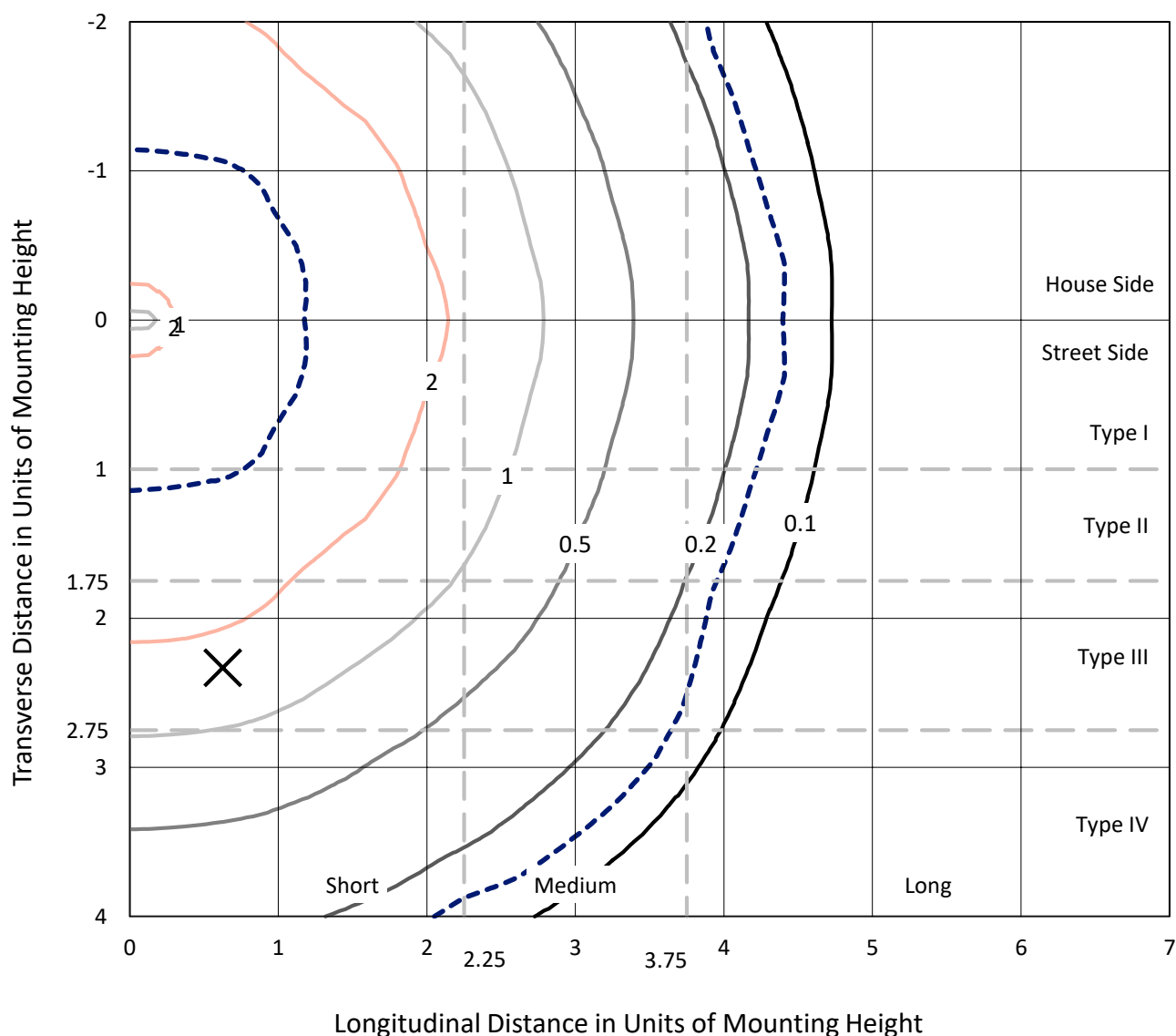


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

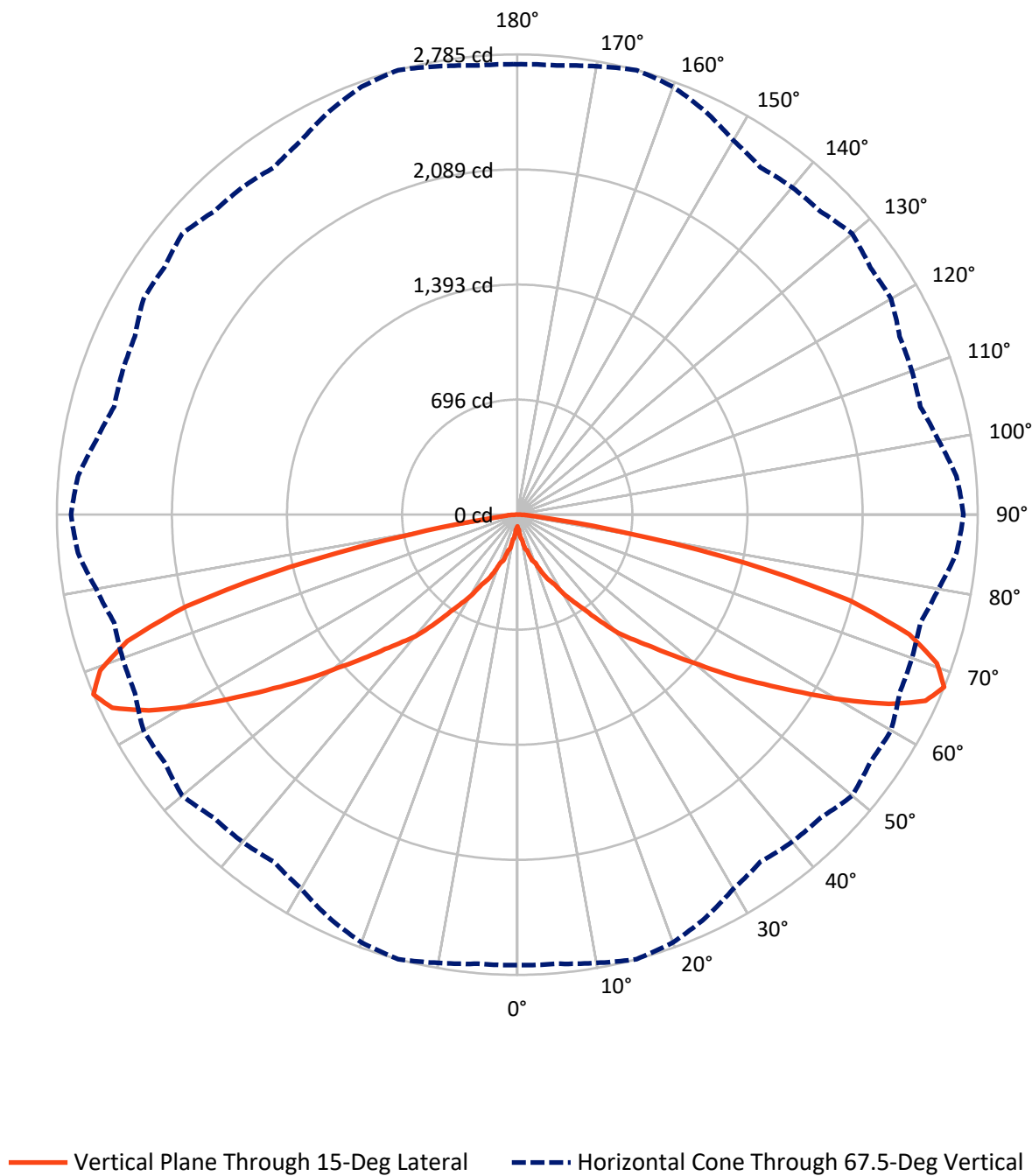


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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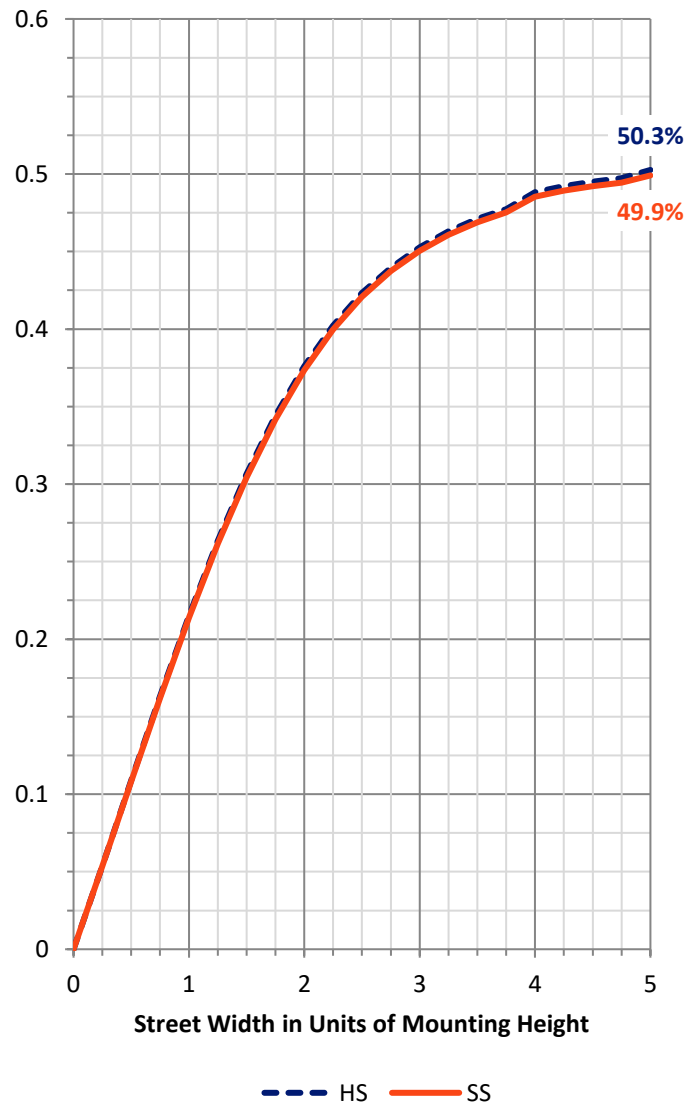
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3871.0	0.0	3871.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3871.0	0.0	3871.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7741.9	0.0	7741.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.1
10°-20°	64.0	0.8
20°-30°	211.8	2.7
30°-40°	458.1	5.9
40°-50°	857.2	11.1
50°-60°	1555.1	20.1
60°-70°	2459.9	31.8
70°-80°	1934.2	25.0
80°-90°	191.1	2.5
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°	7741.9	100.0
0°-180°	7741.9	100.0

Coefficient of Utilization



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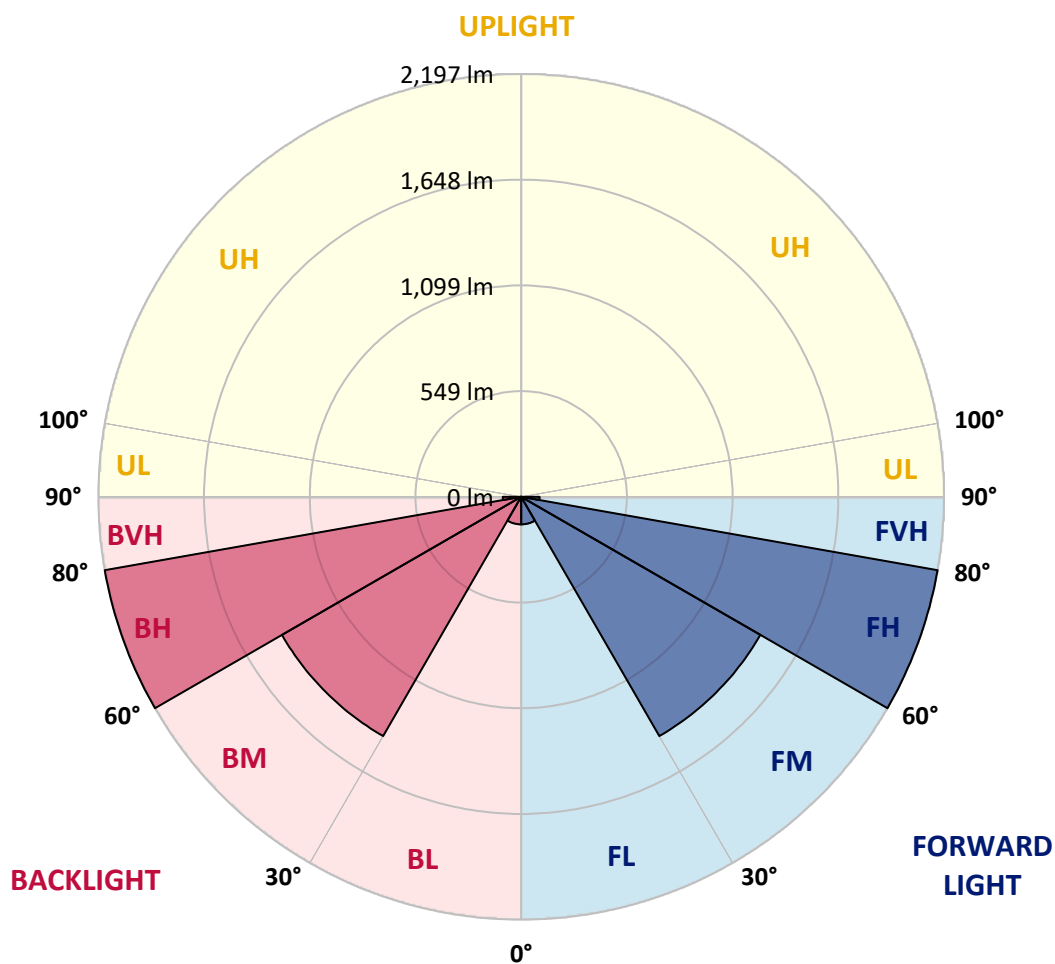
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	143.1	1.8			
FM	(30°-60°)	1435.2	18.5			
FH	(60°-80°)	2197.1	28.4			G2/5000
FVH	(80°-90°)	95.6	1.2			G1/100
BL	(0°-30°)	143.1	1.8	B1/500		
BM	(30°-60°)	1435.2	18.5	B2/2500		
BH	(60°-80°)	2197.1	28.4	B3/2500		G2/5000
BVH	(80°-90°)	95.6	1.2			G1/100
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°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2.5°	111.7	111.4	111.3	111.4	112.7	109.2	104.1	100.4	98.0	97.6	95.2
5°	88.4	88.0	88.0	88.4	88.0	89.0	88.7	91.1	90.8	96.9	105.2
7.5°	141.8	142.5	142.1	140.4	137.0	127.1	119.5	113.4	95.2	92.8	90.1
10°	153.4	153.4	153.5	151.1	151.4	151.4	150.0	147.3	145.2	140.8	119.9
12.5°	212.4	213.0	213.4	212.0	207.6	187.0	181.2	161.4	157.2	183.9	189.7
15°	229.5	230.5	229.8	226.0	224.7	222.3	218.5	234.9	240.1	219.2	203.8
17.5°	293.9	294.9	293.5	291.1	285.3	267.5	273.0	267.9	264.8	260.3	275.4
20°	338.4	340.5	325.0	311.3	302.8	316.5	332.9	326.0	307.9	310.0	318.8
22.5°	386.3	386.4	385.0	377.8	377.8	395.9	365.8	359.7	381.9	355.5	345.6
25°	466.5	464.4	460.4	432.6	423.7	421.6	415.8	428.5	411.0	446.0	466.5
27.5°	496.0	493.9	483.6	475.1	497.4	490.1	481.5	449.0	516.8	483.6	494.6
30°	572.7	572.7	563.8	557.9	563.1	530.6	519.6	558.0	547.0	551.4	600.8
32.5°	672.7	673.4	661.7	629.2	599.4	605.2	600.0	602.8	619.9	615.5	644.2
35°	783.0	755.2	736.4	711.7	694.9	687.4	677.5	655.9	680.9	675.4	705.2
37.5°	847.4	850.1	834.7	820.3	809.3	761.4	740.8	749.4	750.4	736.4	788.1
40°	980.2	981.6	959.0	942.2	924.4	863.4	830.6	822.4	824.4	826.4	862.8
42.5°	1068.0	1067.9	1050.1	1035.1	1004.2	964.1	930.6	913.8	917.6	913.4	952.5
45°	1171.4	1173.4	1159.4	1140.6	1107.3	1084.4	1034.7	1023.1	1024.4	1018.0	1061.1
47.5°	1302.9	1302.6	1297.1	1276.2	1248.8	1209.1	1174.4	1145.7	1148.8	1144.6	1189.5
50°	1457.0	1457.0	1453.6	1427.2	1411.1	1369.0	1324.1	1288.5	1286.8	1287.2	1338.2
52.5°	1628.9	1631.0	1636.2	1618.0	1593.7	1535.4	1481.7	1444.3	1442.3	1446.1	1506.0
55°	1820.8	1830.4	1829.0	1808.8	1793.4	1727.9	1656.4	1621.1	1611.5	1619.1	1678.6
57.5°	2035.8	2040.6	2046.1	2030.4	1992.7	1934.1	1836.9	1807.8	1792.0	1807.4	1870.1
60°	2274.2	2285.6	2284.2	2276.6	2233.8	2169.4	2036.6	2008.8	1999.9	2007.4	2076.2
62.5°	2525.0	2525.3	2539.7	2523.2	2482.5	2418.4	2267.4	2218.8	2206.1	2212.2	2286.2
65°	2700.3	2702.4	2718.5	2714.7	2683.2	2614.4	2503.0	2422.2	2423.6	2431.5	2500.0
67.5°	2725.7	2728.0	2754.4	2785.0	2754.8	2692.4	2614.0	2565.0	2585.9	2594.2	2645.2
70°	2623.6	2628.7	2660.2	2693.1	2687.0	2639.4	2569.5	2552.4	2573.2	2590.7	2639.0
72.5°	2423.6	2426.3	2449.6	2479.7	2455.8	2414.3	2334.5	2363.3	2360.2	2383.2	2430.8
75°	2057.0	2047.5	2071.1	2079.0	2038.2	1995.4	1929.7	1976.6	1956.4	1975.9	2000.2
77.5°	1382.4	1372.8	1382.0	1415.9	1387.1	1383.0	1365.9	1418.3	1426.9	1439.2	1440.9
80°	534.3	553.2	601.5	655.2	670.6	711.4	744.2	804.2	844.3	877.2	860.4
82.5°	105.5	115.8	140.1	169.9	203.4	244.6	294.2	345.2	394.9	421.0	400.4
85°	38.3	46.2	58.6	68.9	72.6	78.1	87.4	105.2	122.6	126.0	127.4
87.5°	10.3	17.8	33.2	44.9	45.2	40.8	43.2	45.2	39.7	31.5	42.8
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°	71.2	71.2	71.2	71.2	71.2	71.2	71.2	71.2
2.5°	92.5	85.6	78.8	75.0	73.6	72.3	71.2	70.6
5°	106.9	111.0	106.2	97.6	85.6	78.8	74.0	72.6
7.5°	91.1	91.1	105.2	110.0	97.6	87.4	77.1	75.4
10°	102.8	112.4	122.6	133.9	151.4	137.0	115.4	111.6
12.5°	186.7	158.6	136.0	136.0	154.1	155.9	125.0	121.2
15°	198.3	199.3	208.2	189.0	185.3	201.0	179.5	172.6
17.5°	251.0	247.6	241.4	213.0	198.6	203.8	206.2	199.3
20°	291.8	277.1	344.9	351.4	320.9	322.0	316.8	311.0
22.5°	402.5	405.5	380.9	380.2	356.9	397.3	437.4	419.9
25°	425.0	447.0	521.6	509.6	495.2	474.4	485.0	460.3
27.5°	553.5	539.8	554.2	539.8	578.5	559.3	547.6	541.8
30°	581.6	606.6	621.3	610.0	612.7	610.0	590.2	600.0
32.5°	665.2	653.8	676.4	695.0	707.3	710.0	676.4	696.0
35°	720.6	749.8	747.4	740.8	746.7	757.6	739.8	740.5
37.5°	797.4	804.6	798.7	797.0	800.1	806.2	809.0	798.7
40°	867.6	872.7	868.3	874.4	879.2	881.9	905.2	869.2
42.5°	966.2	958.7	965.2	973.4	971.7	971.4	992.6	973.4
45°	1077.2	1075.5	1070.3	1075.8	1089.2	1069.3	1102.9	1097.4
47.5°	1205.9	1206.0	1197.1	1202.2	1223.8	1208.7	1238.2	1247.4
50°	1355.6	1359.4	1334.7	1348.4	1353.9	1357.4	1385.8	1411.1
52.5°	1523.1	1526.6	1492.3	1500.2	1496.1	1522.1	1553.3	1592.6
55°	1705.4	1699.5	1656.7	1671.1	1672.8	1717.7	1736.8	1801.6
57.5°	1886.8	1885.2	1855.7	1855.4	1881.8	1928.7	1944.8	2017.4
60°	2086.9	2087.2	2050.9	2059.1	2083.4	2129.4	2190.4	2251.0
62.5°	2293.8	2309.2	2278.0	2254.0	2280.8	2340.0	2431.8	2478.4
65°	2479.0	2510.2	2459.2	2458.9	2428.4	2525.6	2596.9	2654.4
67.5°	2607.2	2611.2	2551.6	2540.4	2523.9	2586.6	2667.4	2699.0
70°	2607.2	2565.4	2507.1	2498.6	2471.2	2495.5	2593.4	2612.0
72.5°	2399.9	2354.7	2275.3	2289.0	2257.8	2292.0	2369.5	2378.4
75°	1968.7	1908.1	1854.0	1875.9	1858.8	1920.8	1987.6	1972.8
77.5°	1403.9	1329.3	1258.7	1258.0	1259.8	1275.1	1321.4	1300.2
80°	810.0	738.8	670.6	628.5	585.4	550.4	529.9	502.8
82.5°	356.5	287.0	234.6	189.1	160.6	129.8	114.1	97.9
85°	112.7	92.1	78.8	71.9	65.8	61.6	53.4	45.9
87.5°	50.7	49.6	46.6	48.0	48.0	41.4	28.8	23.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)