

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: P156960

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156960
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
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8476.4 lumens
Efficiency: N/A
Efficacy: 112.7 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

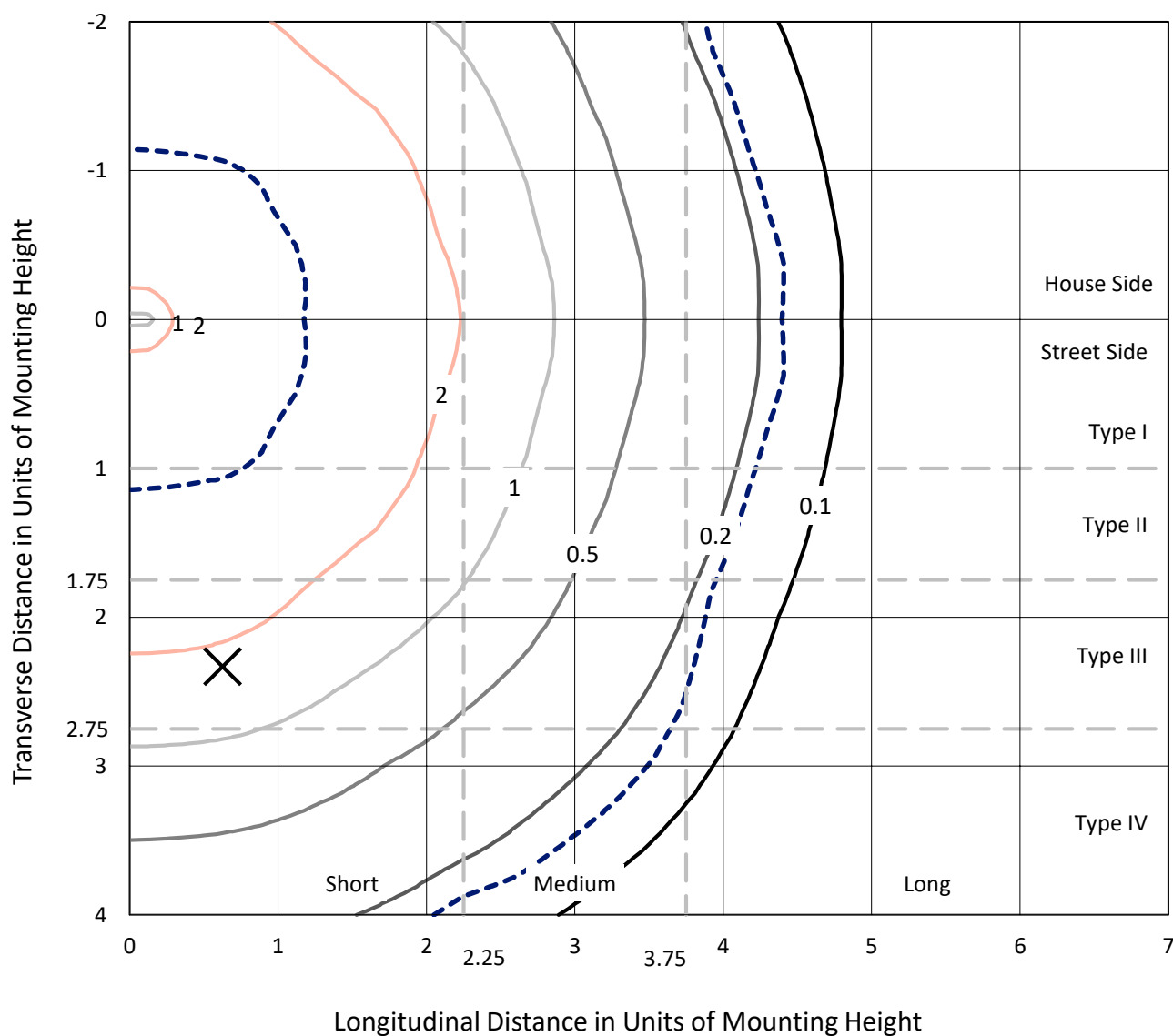


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

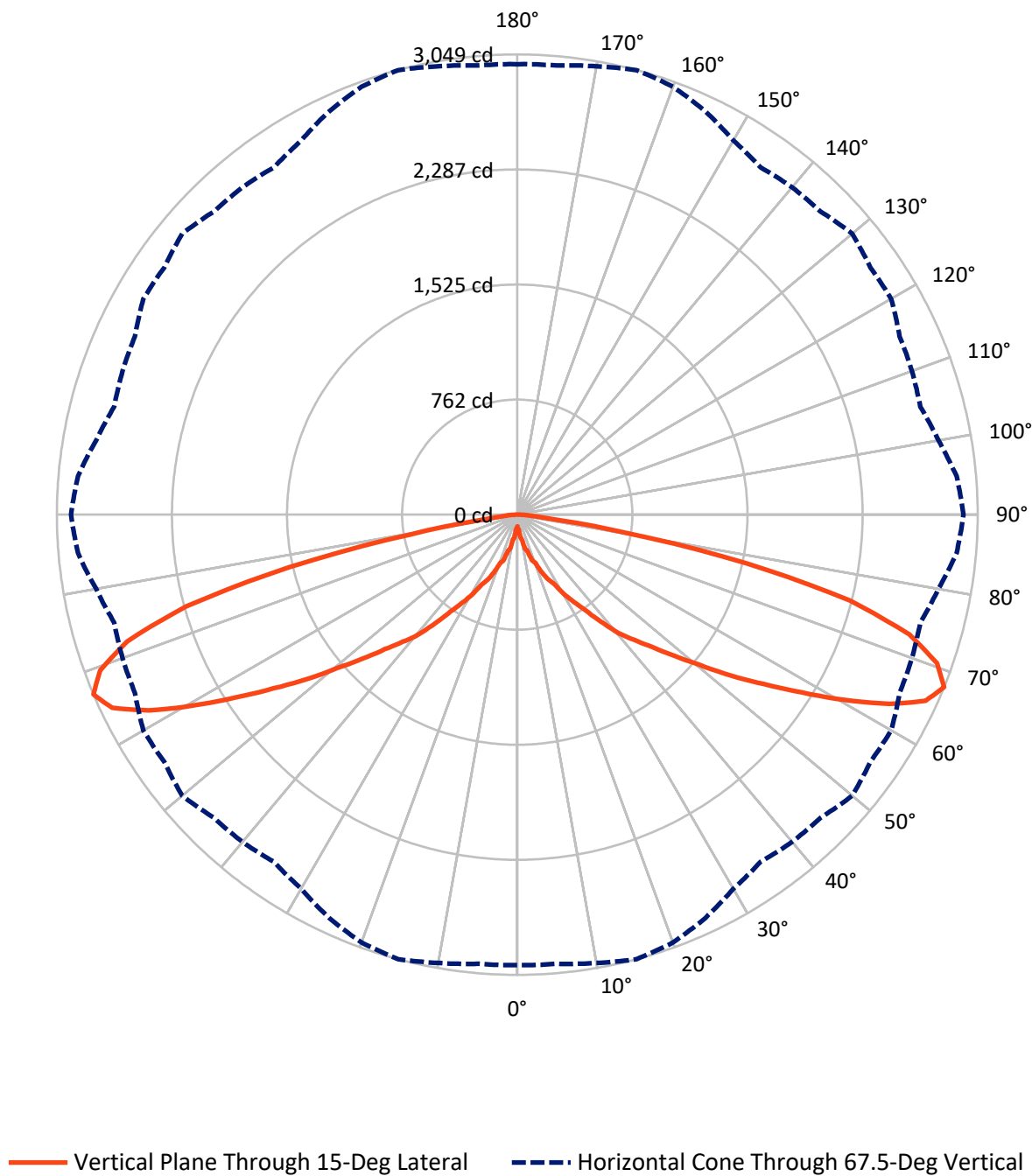


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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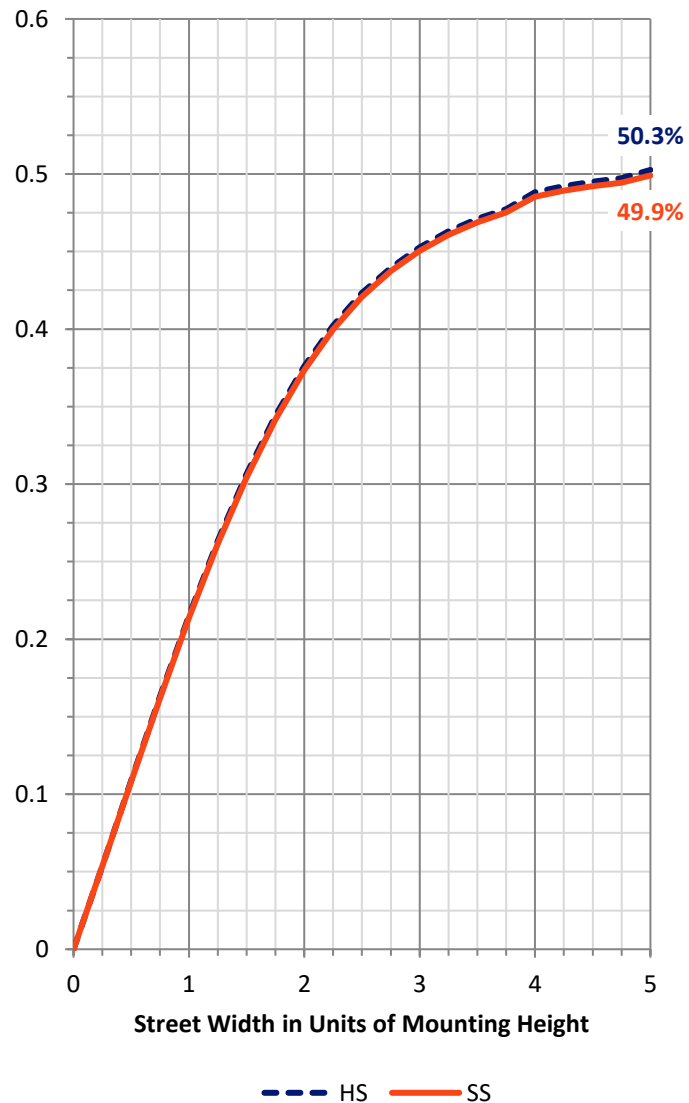
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4238.2	0.0	4238.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4238.2	0.0	4238.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	8476.4	0.0	8476.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.3	0.1
10°-20°	70.1	0.8
20°-30°	231.9	2.7
30°-40°	501.6	5.9
40°-50°	938.6	11.1
50°-60°	1702.7	20.1
60°-70°	2693.3	31.8
70°-80°	2117.7	25.0
80°-90°	209.3	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°	8476.4	100.0
0°-180°	8476.4	100.0

Coefficient of Utilization



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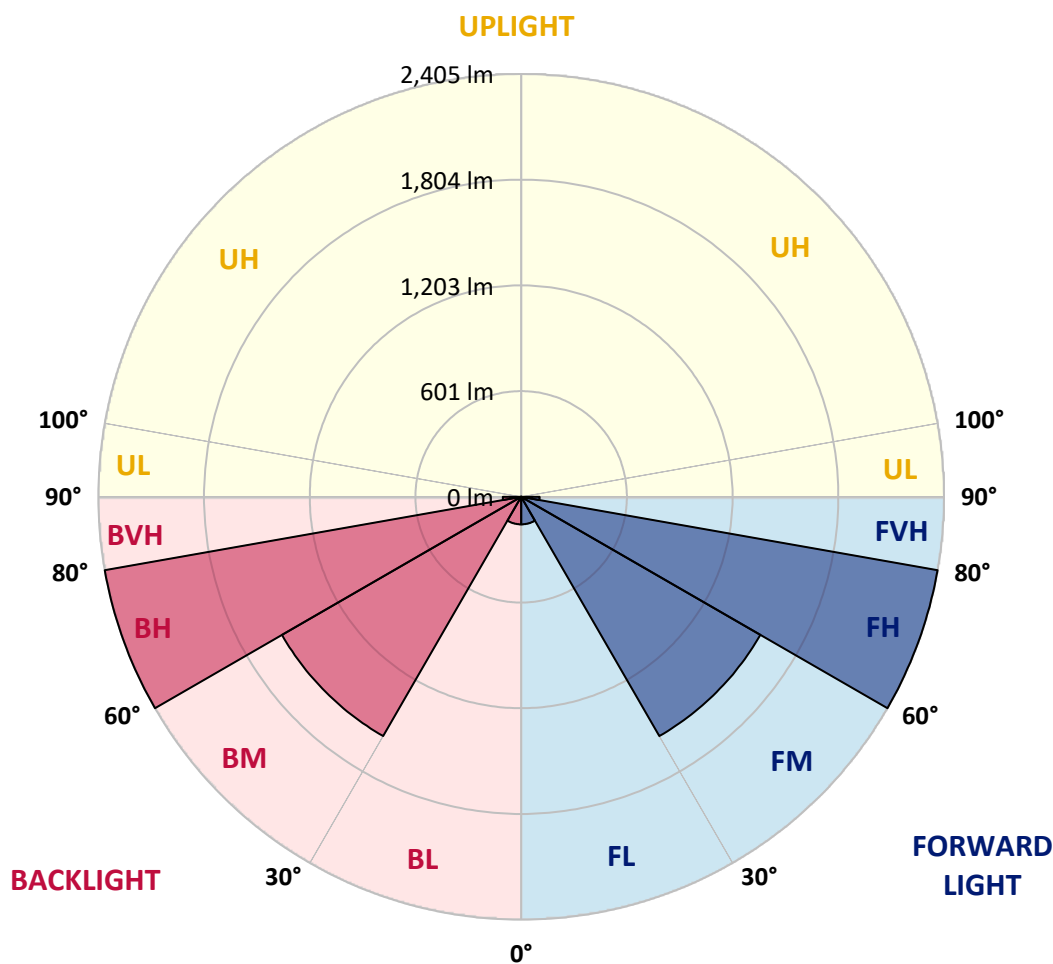
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.7	1.8			
FM	(30°-60°)	1571.4	18.5			
FH	(60°-80°)	2405.5	28.4			G2/5000
FVH	(80°-90°)	104.6	1.2			G2/225
BL	(0°-30°)	156.7	1.8	B1/500		
BM	(30°-60°)	1571.4	18.5	B2/2500		
BH	(60°-80°)	2405.5	28.4	B3/2500		G2/5000
BVH	(80°-90°)	104.6	1.2			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°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2.5°	122.2	121.9	121.9	121.9	123.4	119.6	114.0	109.9	107.2	106.9	104.2
5°	96.8	96.4	96.4	96.8	96.4	97.5	97.1	99.8	99.4	106.1	115.1
7.5°	155.2	156.0	155.6	153.8	150.0	139.1	130.9	124.1	104.2	101.6	98.6
10°	168.0	168.0	168.0	165.4	165.8	165.8	164.2	161.2	159.0	154.1	131.2
12.5°	232.5	233.2	233.6	232.1	227.2	204.8	198.4	176.6	172.1	201.4	207.8
15°	251.2	252.4	251.6	247.5	246.0	243.4	239.2	257.2	262.9	240.0	223.1
17.5°	321.8	322.9	321.4	318.8	312.4	292.9	298.9	293.2	289.9	285.0	301.5
20°	370.5	372.8	355.9	340.9	331.5	346.5	364.5	357.0	337.1	339.4	349.1
22.5°	423.0	423.0	421.5	413.6	413.6	433.5	400.5	393.8	418.1	389.2	378.4
25°	510.8	508.5	504.0	473.6	463.9	461.6	455.2	469.1	450.0	488.2	510.8
27.5°	543.0	540.8	529.5	520.1	544.5	536.6	527.2	491.6	565.9	529.5	541.5
30°	627.0	627.0	617.2	610.9	616.5	580.9	568.9	610.9	598.9	603.8	657.8
32.5°	736.5	737.2	724.5	688.9	656.2	662.6	657.0	660.0	678.8	673.9	705.4
35°	857.2	826.9	806.2	779.2	760.9	752.6	741.8	718.1	745.5	739.5	772.1
37.5°	927.8	930.8	913.9	898.1	886.1	833.6	811.1	820.5	821.6	806.2	862.9
40°	1073.2	1074.8	1050.0	1031.6	1012.1	945.4	909.4	900.4	902.6	904.9	944.6
42.5°	1169.2	1169.2	1149.8	1133.2	1099.5	1055.6	1018.9	1000.5	1004.6	1000.1	1042.9
45°	1282.5	1284.8	1269.4	1248.8	1212.4	1187.2	1132.9	1120.1	1121.6	1114.5	1161.8
47.5°	1426.5	1426.1	1420.1	1397.2	1367.2	1323.8	1285.9	1254.4	1257.8	1253.2	1302.4
50°	1595.2	1595.2	1591.5	1562.6	1545.0	1498.9	1449.8	1410.8	1408.9	1409.2	1465.1
52.5°	1783.5	1785.8	1791.4	1771.5	1744.9	1681.1	1622.2	1581.4	1579.1	1583.2	1648.9
55°	1993.5	2004.0	2002.5	1980.4	1963.5	1891.9	1813.5	1774.9	1764.4	1772.6	1837.9
57.5°	2229.0	2234.2	2240.2	2223.0	2181.8	2117.6	2011.1	1979.2	1962.0	1978.9	2047.5
60°	2490.0	2502.4	2500.9	2492.6	2445.8	2375.2	2229.8	2199.4	2189.6	2197.9	2273.2
62.5°	2764.5	2764.9	2780.6	2762.6	2718.0	2647.9	2482.5	2429.2	2415.4	2422.1	2503.1
65°	2956.5	2958.8	2976.4	2972.2	2937.8	2862.4	2740.5	2652.0	2653.5	2662.1	2737.1
67.5°	2984.2	2986.9	3015.8	3049.1	3016.1	2947.9	2862.0	2808.4	2831.2	2840.2	2896.1
70°	2872.5	2878.1	2912.6	2948.6	2941.9	2889.8	2813.2	2794.5	2817.4	2836.5	2889.4
72.5°	2653.5	2656.5	2682.0	2715.0	2688.8	2643.4	2556.0	2587.5	2584.1	2609.2	2661.4
75°	2252.2	2241.8	2267.6	2276.2	2231.6	2184.8	2112.8	2164.1	2142.0	2163.4	2190.0
77.5°	1513.5	1503.0	1513.1	1550.2	1518.8	1514.2	1495.5	1552.9	1562.2	1575.8	1577.6
80°	585.0	605.6	658.5	717.4	734.2	778.9	814.9	880.5	924.4	960.4	942.0
82.5°	115.5	126.8	153.4	186.0	222.8	267.8	322.1	378.0	432.4	460.9	438.4
85°	42.0	50.6	64.1	75.4	79.5	85.5	95.6	115.1	134.2	138.0	139.5
87.5°	11.2	19.5	36.4	49.1	49.5	44.6	47.2	49.5	43.5	34.5	46.9
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°	78.0	78.0	78.0	78.0	78.0	78.0	78.0	78.0
2.5°	101.2	93.8	86.2	82.1	80.6	79.1	78.0	77.2
5°	117.0	121.5	116.2	106.9	93.8	86.2	81.0	79.5
7.5°	99.8	99.8	115.1	120.4	106.9	95.6	84.4	82.5
10°	112.5	123.0	134.2	146.6	165.8	150.0	126.4	122.2
12.5°	204.4	173.6	148.9	148.9	168.8	170.6	136.9	132.8
15°	217.1	218.2	228.0	207.0	202.9	220.1	196.5	189.0
17.5°	274.9	271.1	264.4	233.2	217.5	223.1	225.8	218.2
20°	319.5	303.4	377.6	384.8	351.4	352.5	346.9	340.5
22.5°	440.6	444.0	417.0	416.2	390.8	435.0	478.9	459.8
25°	465.4	489.4	571.1	558.0	542.2	519.4	531.0	504.0
27.5°	606.0	591.0	606.8	591.0	633.4	612.4	599.6	593.2
30°	636.8	664.1	680.2	667.9	670.9	667.9	646.1	657.0
32.5°	728.2	715.9	740.6	760.9	774.4	777.4	740.6	762.0
35°	789.0	820.9	818.2	811.1	817.5	829.5	810.0	810.8
37.5°	873.0	880.9	874.5	872.6	876.0	882.8	885.8	874.5
40°	949.9	955.5	950.6	957.4	962.6	965.6	991.1	951.8
42.5°	1057.9	1049.6	1056.8	1065.8	1063.9	1063.5	1086.8	1065.8
45°	1179.4	1177.5	1171.9	1177.9	1192.5	1170.8	1207.5	1201.5
47.5°	1320.4	1320.4	1310.6	1316.2	1339.9	1323.4	1355.6	1365.8
50°	1484.2	1488.4	1461.4	1476.4	1482.4	1486.1	1517.2	1545.0
52.5°	1667.6	1671.4	1633.9	1642.5	1638.0	1666.5	1700.6	1743.8
55°	1867.1	1860.8	1813.9	1829.6	1831.5	1880.6	1901.6	1972.5
57.5°	2065.9	2064.0	2031.8	2031.4	2060.2	2111.6	2129.2	2208.8
60°	2284.9	2285.2	2245.5	2254.5	2281.1	2331.4	2398.1	2464.5
62.5°	2511.4	2528.2	2494.1	2467.9	2497.1	2562.0	2662.5	2713.5
65°	2714.2	2748.4	2692.5	2692.1	2658.8	2765.2	2843.2	2906.2
67.5°	2854.5	2859.0	2793.8	2781.4	2763.4	2832.0	2920.5	2955.0
70°	2854.5	2808.8	2745.0	2735.6	2705.6	2732.2	2839.5	2859.8
72.5°	2627.6	2578.1	2491.1	2506.1	2472.0	2509.5	2594.2	2604.0
75°	2155.5	2089.1	2029.9	2053.9	2035.1	2103.0	2176.1	2160.0
77.5°	1537.1	1455.4	1378.1	1377.4	1379.2	1396.1	1446.8	1423.5
80°	886.9	808.9	734.2	688.1	640.9	602.6	580.1	550.5
82.5°	390.4	314.2	256.9	207.0	175.9	142.1	124.9	107.2
85°	123.4	100.9	86.2	78.8	72.0	67.5	58.5	50.2
87.5°	55.5	54.4	51.0	52.5	52.5	45.4	31.5	25.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)