

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: P156966

Luminaire Tested: **UTLD-F03-LED-E-U-5WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156966
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-F03-LED-E-U-5WQ-7050
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (21) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7180.1 lumens
Efficiency: N/A
Efficacy: 91.7 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): 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

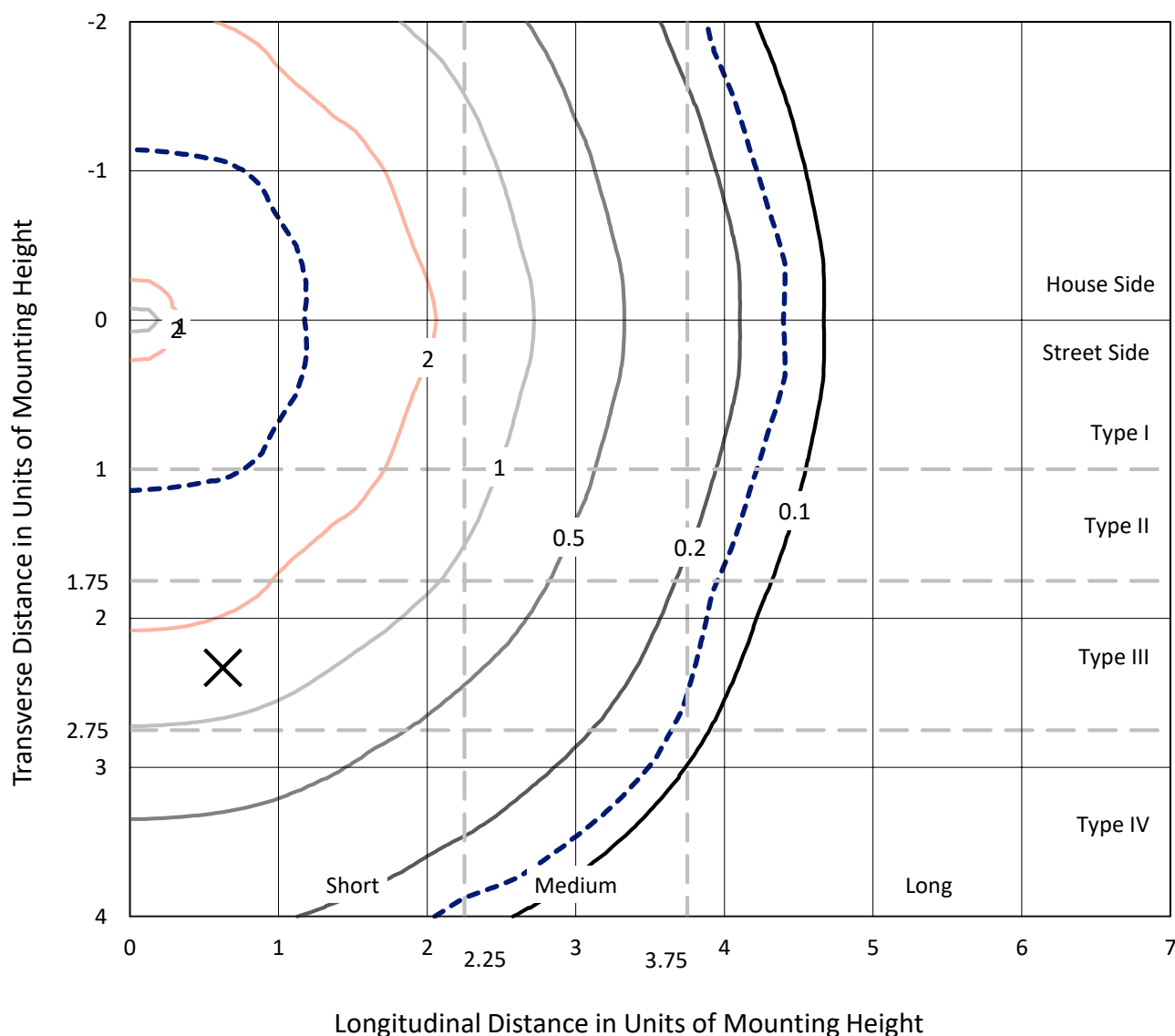


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

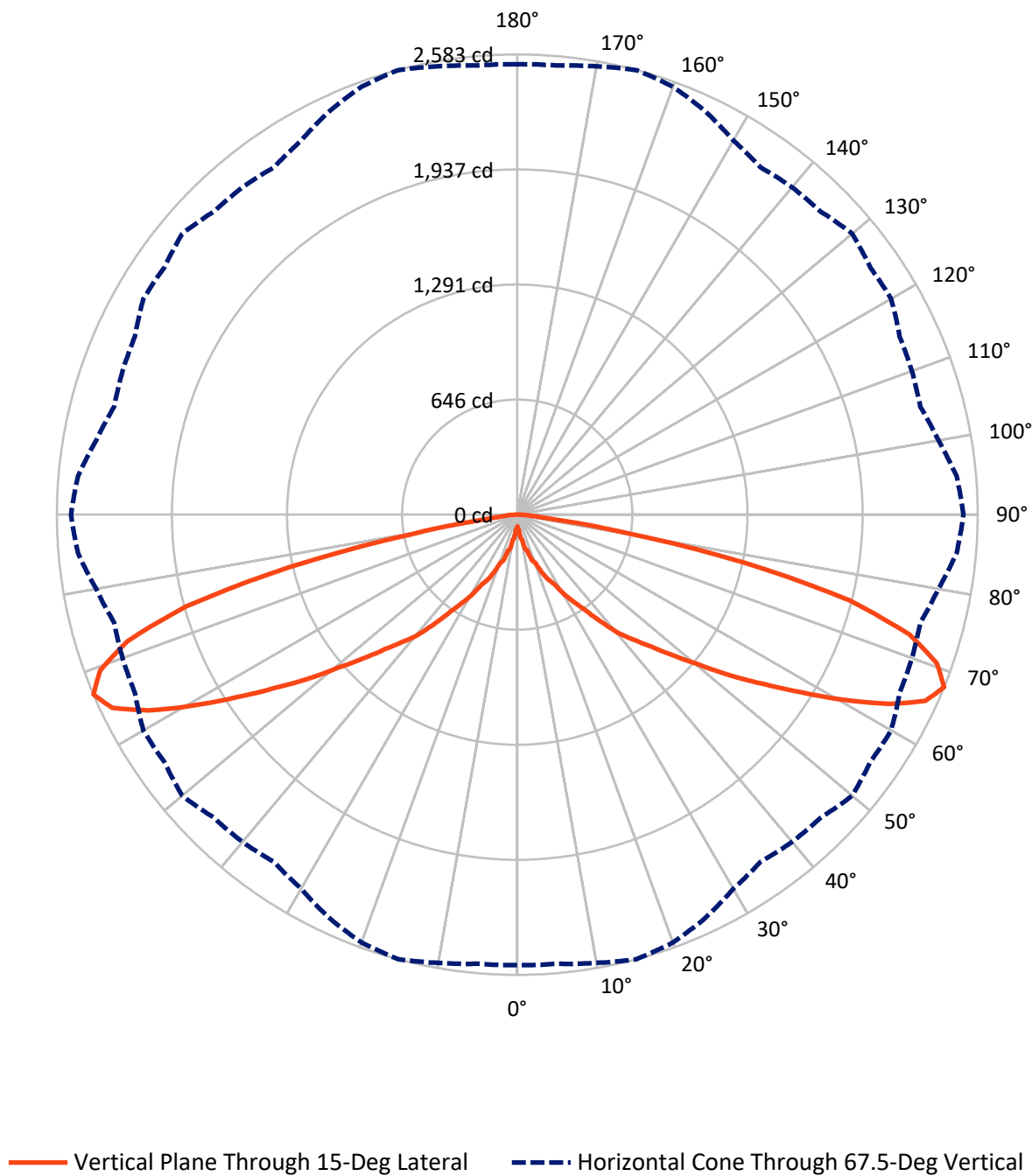


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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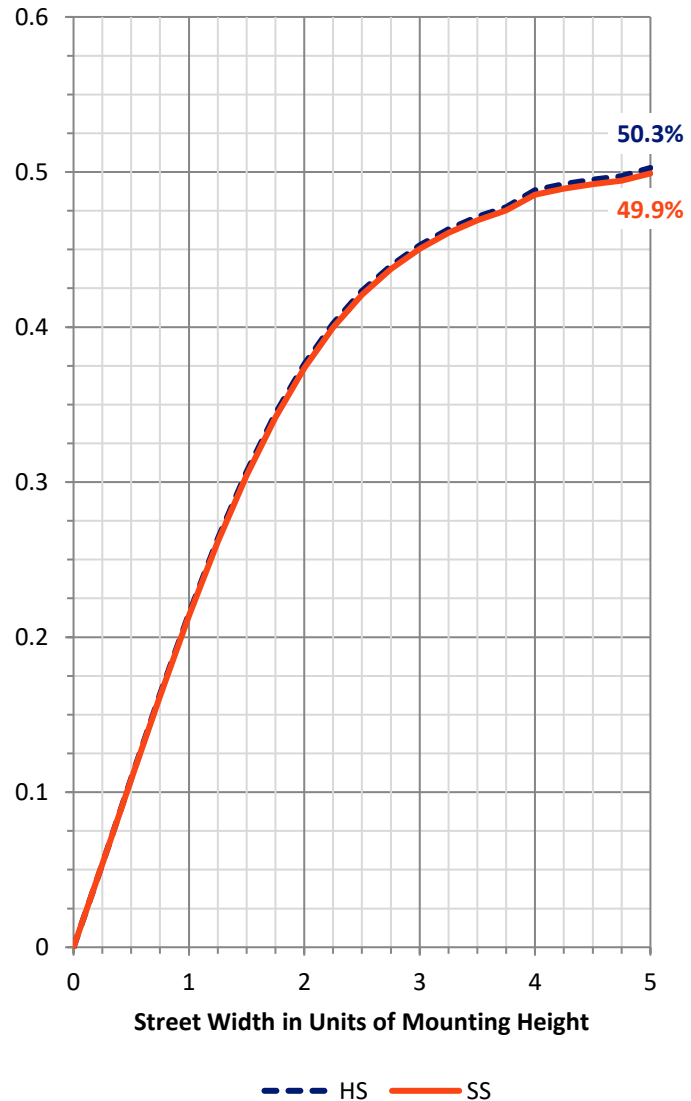
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3590.1	0.0	3590.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3590.1	0.0	3590.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7180.1	0.0	7180.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.6	0.1
10°-20°	59.4	0.8
20°-30°	196.5	2.7
30°-40°	424.9	5.9
40°-50°	795.0	11.1
50°-60°	1442.3	20.1
60°-70°	2281.4	31.8
70°-80°	1793.9	25.0
80°-90°	177.3	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°	7180.1	100.0
0°-180°	7180.1	100.0

Coefficient of Utilization



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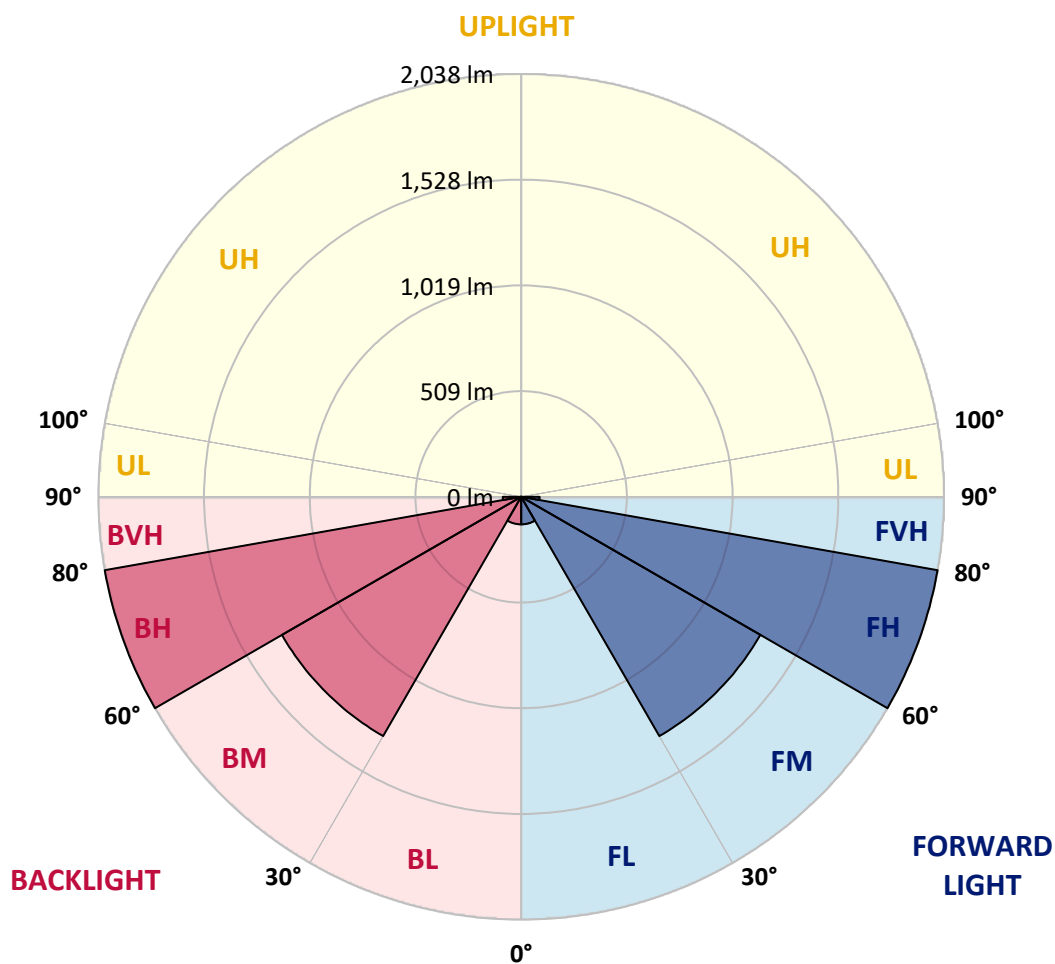
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.7	1.8			
FM	(30°-60°)	1331.1	18.5			
FH	(60°-80°)	2037.6	28.4			G2/5000
FVH	(80°-90°)	88.6	1.2			G1/100
BL	(0°-30°)	132.7	1.8	B1/500		
BM	(30°-60°)	1331.1	18.5	B2/2500		
BH	(60°-80°)	2037.6	28.4	B3/2500		G2/5000
BVH	(80°-90°)	88.6	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°	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2.5°	103.6	103.2	103.2	103.2	104.5	101.4	96.6	93.0	90.9	90.5	88.3
5°	81.9	81.6	81.6	81.9	81.6	82.6	82.3	84.5	84.2	89.9	97.5
7.5°	131.6	132.2	131.8	130.2	127.0	117.8	110.8	105.2	88.3	86.1	83.6
10°	142.3	142.3	142.3	140.1	140.4	140.4	139.1	136.6	134.7	130.6	111.2
12.5°	197.0	197.6	197.9	196.6	192.5	173.4	168.0	149.6	145.8	170.6	176.0
15°	212.8	213.8	213.2	209.7	208.4	206.2	202.6	217.9	222.7	203.3	189.0
17.5°	272.6	273.5	272.2	270.0	264.6	248.1	253.2	248.4	245.6	241.4	255.4
20°	313.8	315.7	301.4	288.8	280.8	293.5	308.8	302.4	285.6	287.5	295.8
22.5°	358.3	358.3	357.0	350.4	350.4	367.2	339.2	333.5	354.2	329.7	320.5
25°	432.6	430.8	427.0	401.2	392.9	391.0	385.6	397.4	381.2	413.6	432.6
27.5°	460.0	458.1	448.5	440.6	461.2	454.6	446.6	416.4	479.3	448.5	458.7
30°	531.1	531.1	522.9	517.4	522.2	492.1	481.9	517.4	507.3	511.4	557.2
32.5°	623.8	624.5	613.7	583.5	555.9	561.3	556.6	559.0	575.0	570.8	597.5
35°	726.2	700.4	682.9	660.1	644.5	637.5	628.3	608.3	631.5	626.4	654.0
37.5°	785.9	788.4	774.1	760.8	750.6	706.1	687.1	695.0	696.0	683.0	731.0
40°	909.1	910.4	889.4	873.9	857.3	800.8	770.3	762.7	764.6	766.5	800.2
42.5°	990.4	990.4	974.0	959.9	931.4	894.2	863.1	847.5	851.0	847.2	883.4
45°	1086.4	1088.3	1075.2	1057.8	1027.0	1005.7	959.6	948.8	950.1	944.0	984.1
47.5°	1208.4	1208.0	1203.0	1183.6	1158.2	1121.3	1089.2	1062.5	1065.4	1061.6	1103.2
50°	1351.3	1351.3	1348.1	1323.6	1308.7	1269.7	1228.0	1195.0	1193.4	1193.7	1241.0
52.5°	1510.8	1512.7	1517.4	1500.6	1478.0	1424.0	1374.1	1339.6	1337.6	1341.1	1396.7
55°	1688.6	1697.6	1696.3	1677.5	1663.2	1602.6	1536.2	1503.5	1494.6	1501.6	1556.8
57.5°	1888.2	1892.6	1897.7	1883.1	1848.1	1793.8	1703.6	1676.6	1662.0	1676.3	1734.4
60°	2109.2	2119.7	2118.4	2111.4	2071.8	2012.0	1888.8	1863.0	1854.8	1861.8	1925.6
62.5°	2341.8	2342.0	2355.4	2340.2	2302.4	2242.9	2102.9	2057.7	2046.0	2051.7	2120.3
65°	2504.4	2506.3	2521.2	2517.7	2488.5	2424.6	2321.4	2246.4	2247.7	2255.0	2318.6
67.5°	2527.9	2530.1	2554.6	2582.9	2554.9	2497.1	2424.3	2378.9	2398.3	2405.9	2453.2
70°	2433.2	2438.0	2467.2	2497.7	2492.0	2447.8	2383.0	2367.1	2386.5	2402.8	2447.5
72.5°	2247.8	2250.2	2271.9	2299.8	2277.6	2239.2	2165.1	2191.8	2188.9	2210.2	2254.4
75°	1907.8	1899.0	1920.8	1928.2	1890.4	1850.7	1789.7	1833.2	1814.4	1832.5	1855.1
77.5°	1282.0	1273.2	1281.7	1313.2	1286.5	1282.7	1266.8	1315.4	1323.4	1334.8	1336.4
80°	495.6	513.0	557.8	607.7	622.0	659.8	690.3	745.8	783.0	813.5	798.0
82.5°	97.9	107.4	129.9	157.6	188.7	226.8	272.9	320.2	366.2	390.4	371.3
85°	35.6	42.9	54.3	63.8	67.4	72.4	81.0	97.5	113.7	116.9	118.2
87.5°	9.6	16.5	30.8	41.6	41.9	37.8	40.1	42.0	36.8	29.2	39.7
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°	66.1	66.1	66.1	66.1	66.1	66.1	66.1	66.1
2.5°	85.8	79.4	73.0	69.6	68.3	67.0	66.1	65.4
5°	99.1	102.9	98.4	90.5	79.4	73.1	68.6	67.4
7.5°	84.5	84.5	97.5	102.0	90.5	81.0	71.4	69.8
10°	95.3	104.2	113.7	124.2	140.4	127.1	107.0	103.6
12.5°	173.1	147.1	126.1	126.1	143.0	144.5	115.9	112.4
15°	183.9	184.9	193.1	175.4	171.9	186.5	166.5	160.1
17.5°	232.8	229.7	223.9	197.6	184.2	189.0	191.2	184.9
20°	270.6	257.0	319.9	325.9	297.6	298.6	293.8	288.4
22.5°	373.2	376.1	353.2	352.6	331.0	368.5	405.7	389.4
25°	394.2	414.5	483.8	472.7	459.3	439.9	449.8	427.0
27.5°	513.3	500.6	514.0	500.6	536.5	518.7	507.9	502.5
30°	539.4	562.6	576.2	565.7	568.3	565.8	547.3	556.5
32.5°	616.8	606.4	627.4	644.5	655.9	658.5	627.4	645.5
35°	668.3	695.4	693.1	687.0	692.5	702.6	686.1	686.8
37.5°	739.5	746.2	740.8	739.2	742.0	747.8	750.3	740.8
40°	804.6	809.4	805.2	811.0	815.4	818.0	839.6	806.2
42.5°	896.1	889.1	895.2	902.8	901.2	900.8	920.6	902.8
45°	999.0	997.4	992.6	997.8	1010.2	991.7	1022.8	1017.8
47.5°	1118.5	1118.5	1110.2	1115.0	1135.0	1121.0	1148.3	1156.9
50°	1257.2	1260.8	1237.9	1250.6	1255.7	1258.9	1285.2	1308.7
52.5°	1412.6	1415.8	1384.0	1391.3	1387.5	1411.6	1440.5	1477.0
55°	1581.6	1576.2	1536.5	1549.8	1551.4	1593.0	1610.8	1670.8
57.5°	1750.0	1748.4	1721.0	1720.7	1745.2	1788.7	1803.7	1871.0
60°	1935.4	1935.8	1902.1	1909.8	1932.3	1974.9	2031.4	2087.6
62.5°	2127.4	2141.6	2112.7	2090.5	2115.2	2170.2	2255.4	2298.5
65°	2299.2	2328.1	2280.8	2280.4	2252.2	2342.4	2408.4	2461.8
67.5°	2418.0	2421.8	2366.5	2356.0	2340.8	2398.9	2473.9	2503.1
70°	2418.0	2379.2	2325.2	2317.3	2291.9	2314.4	2405.3	2422.4
72.5°	2225.8	2183.9	2110.2	2122.9	2094.0	2125.7	2197.5	2205.8
75°	1825.9	1769.6	1719.4	1739.8	1723.9	1781.4	1843.3	1829.6
77.5°	1302.1	1232.8	1167.4	1166.7	1168.3	1182.6	1225.5	1205.8
80°	751.2	685.2	622.0	582.9	542.9	510.5	491.4	466.4
82.5°	330.7	266.2	217.6	175.4	149.0	120.4	105.8	90.9
85°	104.5	85.4	73.1	66.7	61.0	57.2	49.6	42.6
87.5°	47.0	46.0	43.2	44.5	44.5	38.4	26.7	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)