

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: P156958

Luminaire Tested: **UTLD-E03-LED-E-U-5WQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P156958
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-8030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7154 lumens
Efficiency: N/A
Efficacy: 95.1 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

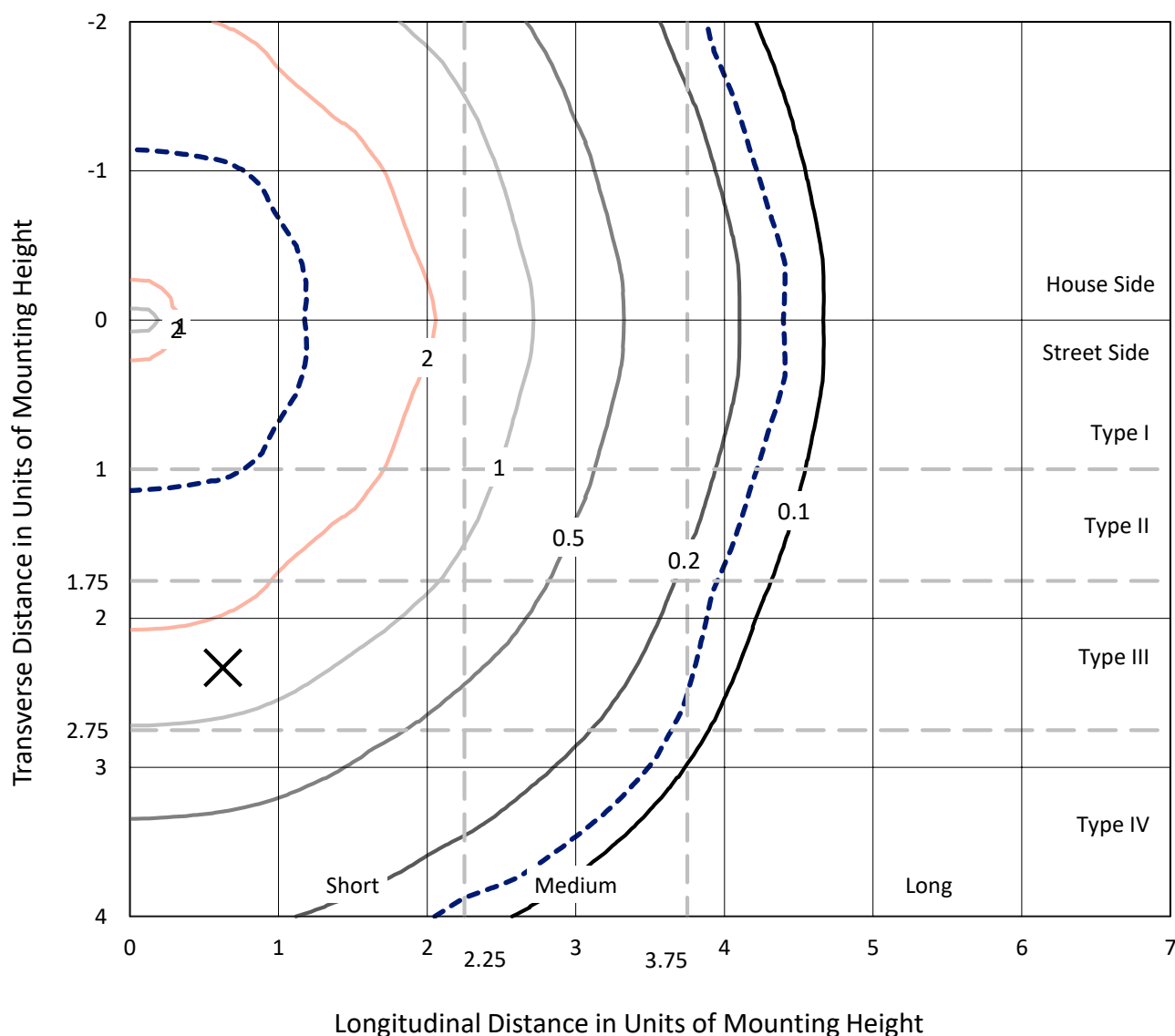


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

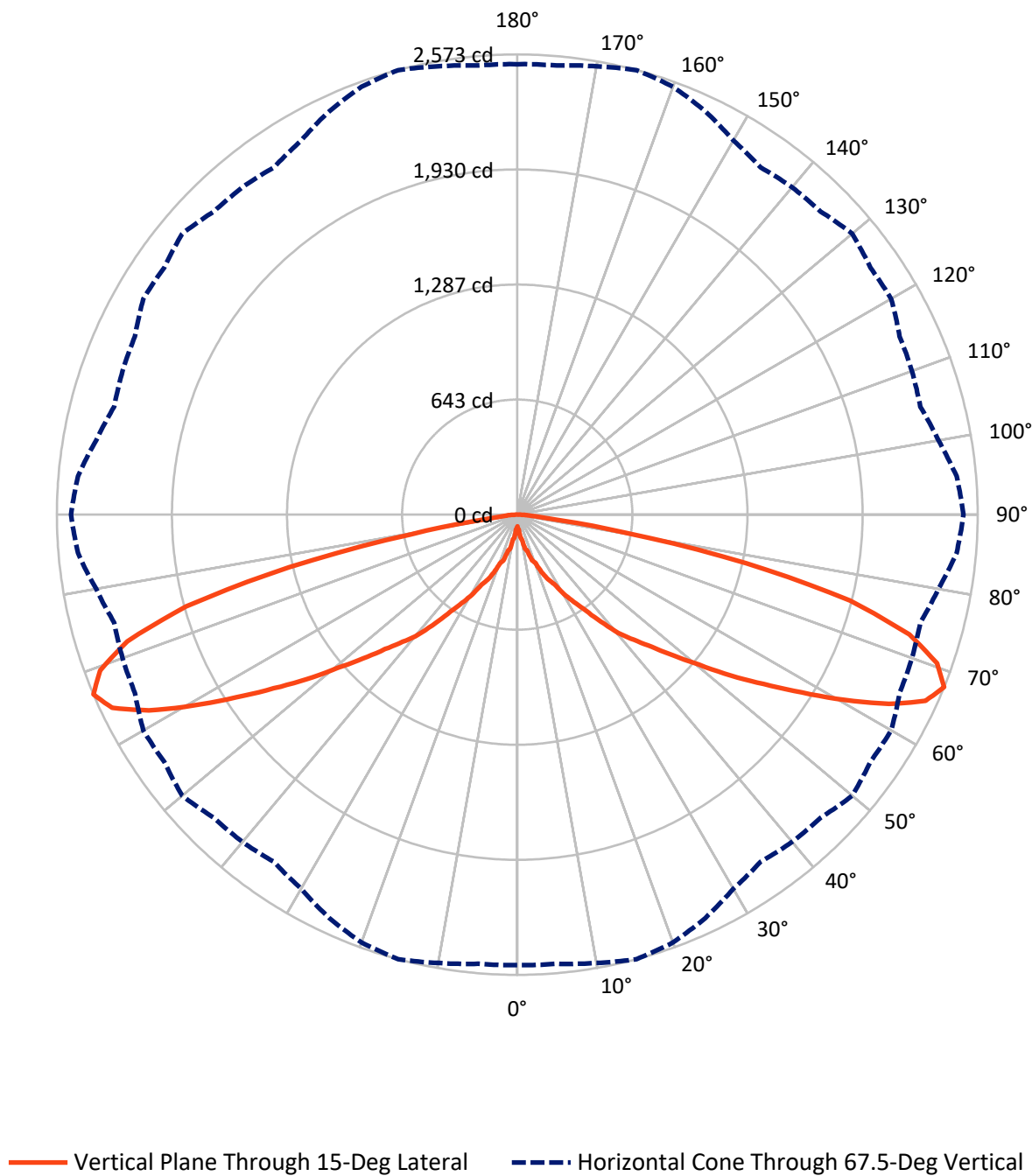


Based on 10 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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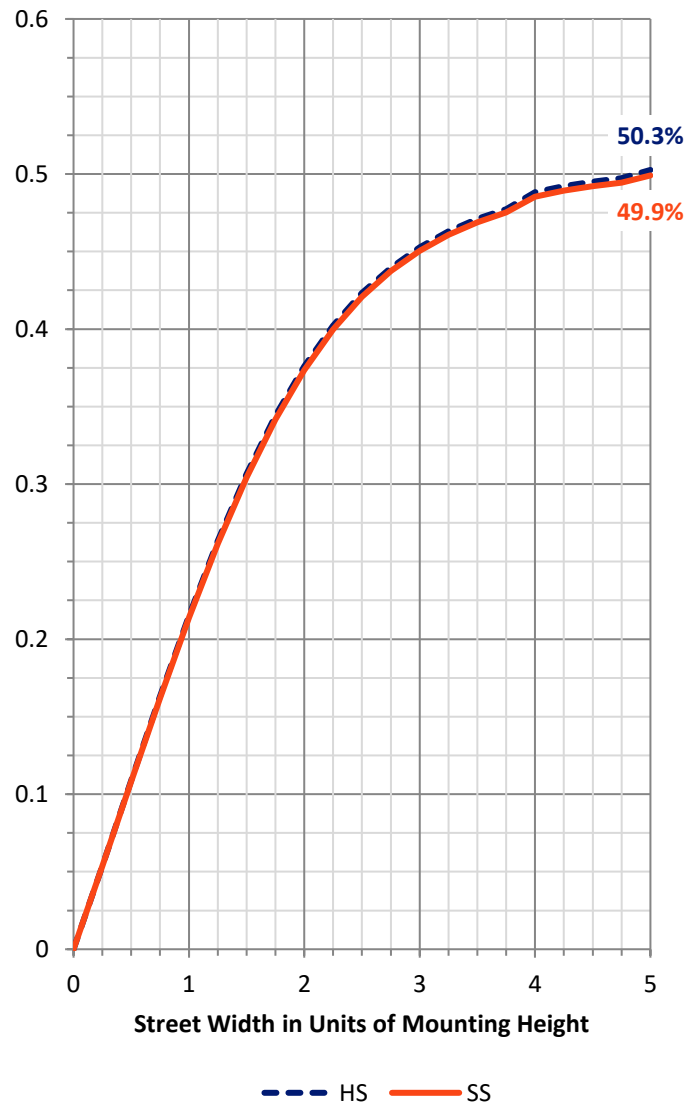
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3577.0	0.0	3577.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3577.0	0.0	3577.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7154.0	0.0	7154.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.5	0.1
10°-20°	59.2	0.8
20°-30°	195.8	2.7
30°-40°	423.3	5.9
40°-50°	792.1	11.1
50°-60°	1437.0	20.1
60°-70°	2273.1	31.8
70°-80°	1787.3	25.0
80°-90°	176.6	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°	7154.0	100.0
0°-180°	7154.0	100.0

Coefficient of Utilization



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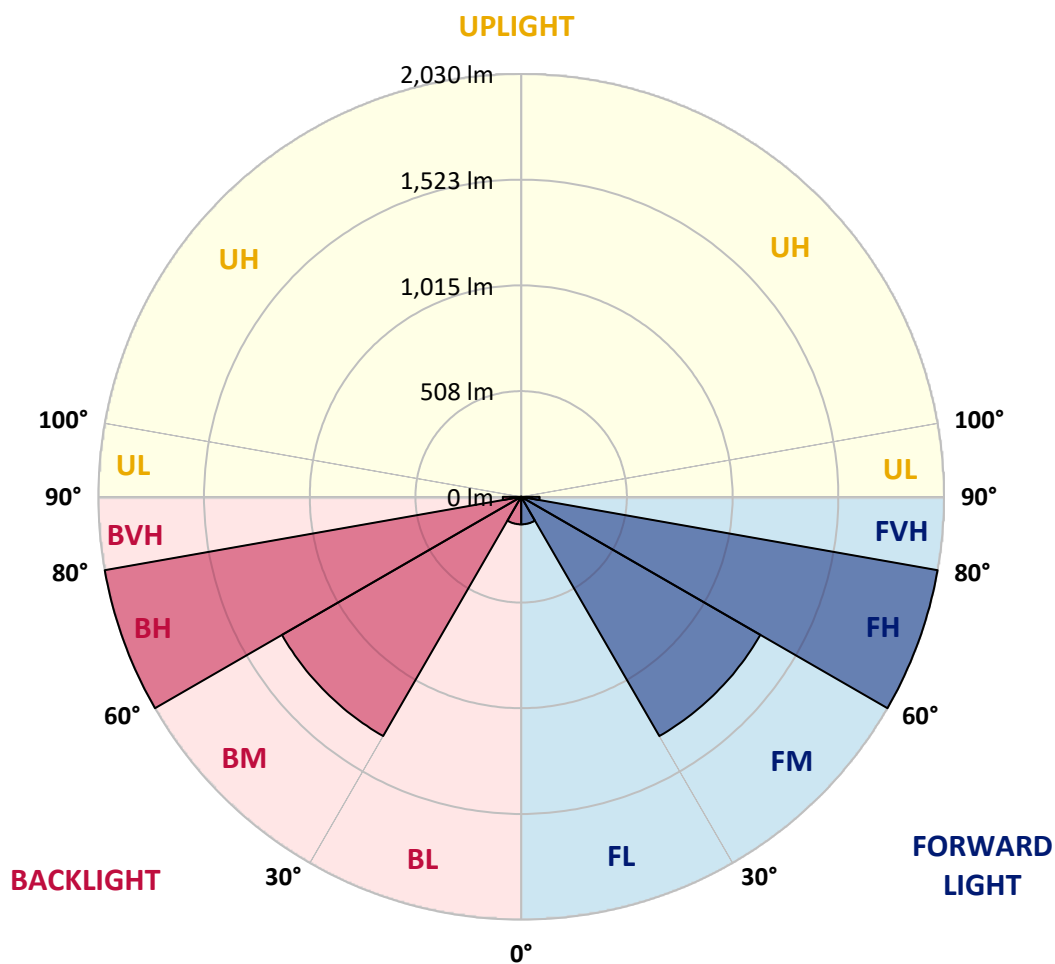
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.2	1.8			
FM	(30°-60°)	1326.3	18.5			
FH	(60°-80°)	2030.2	28.4			G2/5000
FVH	(80°-90°)	88.3	1.2			G1/100
BL	(0°-30°)	132.2	1.8	B1/500		
BM	(30°-60°)	1326.3	18.5	B2/2500		
BH	(60°-80°)	2030.2	28.4	B3/2500		G2/5000
BVH	(80°-90°)	88.3	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°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	103.2	102.8	102.8	102.8	104.1	100.9	96.2	92.7	90.5	90.2	88.0
5°	81.6	81.3	81.4	81.7	81.4	82.3	82.0	84.2	83.9	89.6	97.1
7.5°	131.0	131.7	131.4	129.8	126.6	117.4	110.5	104.8	87.9	85.8	83.2
10°	141.8	141.8	141.8	139.6	139.9	139.9	138.6	136.1	134.2	130.0	110.8
12.5°	196.2	196.8	197.2	195.9	191.8	172.8	167.4	149.1	145.3	170.0	175.4
15°	212.0	213.0	212.4	208.9	207.6	205.4	201.9	217.1	221.9	202.6	188.3
17.5°	271.6	272.5	271.2	269.0	263.6	247.2	252.2	247.5	244.6	240.6	254.5
20°	312.7	314.6	300.4	287.7	279.8	292.5	307.6	301.3	284.5	286.4	294.7
22.5°	357.0	357.0	355.8	349.1	349.1	365.9	338.0	332.4	352.9	328.5	319.4
25°	431.0	429.2	425.4	399.7	391.5	389.6	384.2	396.0	379.8	412.1	431.1
27.5°	458.2	456.4	446.9	439.0	459.5	452.9	445.0	415.0	477.6	446.9	457.0
30°	529.2	529.2	521.0	515.6	520.3	490.2	480.1	515.6	505.4	509.6	555.1
32.5°	621.6	622.2	611.5	581.4	553.9	559.2	554.5	557.1	572.9	568.7	595.3
35°	723.5	697.8	680.4	657.7	642.2	635.2	626.0	606.1	629.2	624.1	651.7
37.5°	783.0	785.5	771.3	758.0	747.9	703.6	684.6	692.5	693.4	680.4	728.3
40°	905.8	907.1	886.2	870.7	854.2	797.9	767.5	759.9	761.8	763.7	797.2
42.5°	986.8	986.8	970.4	956.4	928.0	890.9	860.0	844.4	847.9	844.1	880.2
45°	1082.4	1084.3	1071.4	1053.9	1023.2	1002.0	956.1	945.4	946.6	940.6	980.5
47.5°	1203.9	1203.6	1198.6	1179.3	1154.0	1117.2	1085.3	1058.6	1061.5	1057.7	1099.2
50°	1346.4	1346.4	1343.2	1318.8	1304.0	1265.0	1223.6	1190.6	1189.1	1189.4	1236.6
52.5°	1505.2	1507.2	1511.9	1495.1	1472.6	1418.8	1369.2	1334.7	1332.8	1336.3	1391.6
55°	1682.5	1691.4	1690.1	1671.4	1657.2	1596.8	1530.6	1498.0	1489.1	1496.1	1551.2
57.5°	1881.2	1885.7	1890.8	1876.2	1841.4	1787.2	1697.4	1670.5	1655.9	1670.2	1728.1
60°	2101.5	2112.0	2110.7	2103.8	2064.2	2004.7	1881.9	1856.2	1848.0	1855.0	1918.6
62.5°	2333.2	2333.5	2346.8	2331.6	2294.0	2234.8	2095.2	2050.3	2038.6	2044.2	2112.6
65°	2495.2	2497.2	2512.0	2508.5	2479.5	2415.8	2313.0	2238.2	2239.5	2246.8	2310.1
67.5°	2518.6	2520.9	2545.3	2573.4	2545.6	2488.0	2415.5	2370.2	2389.6	2397.2	2444.3
70°	2424.4	2429.1	2458.2	2488.6	2482.9	2438.9	2374.4	2358.5	2377.8	2394.0	2438.6
72.5°	2239.5	2242.1	2263.6	2291.5	2269.3	2231.0	2157.2	2183.8	2181.0	2202.2	2246.2
75°	1900.9	1892.0	1913.9	1921.1	1883.5	1843.9	1783.2	1826.5	1807.8	1825.9	1848.4
77.5°	1277.4	1268.5	1277.1	1308.4	1281.8	1278.0	1262.2	1310.6	1318.5	1329.9	1331.5
80°	493.8	511.1	555.8	605.4	619.7	657.4	687.8	743.1	780.2	810.5	795.0
82.5°	97.5	107.0	129.5	157.0	188.0	226.0	271.8	319.0	364.9	389.0	370.0
85°	35.4	42.7	54.1	63.6	67.1	72.2	80.7	97.2	113.3	116.4	117.7
87.5°	9.5	16.4	30.7	41.4	41.8	37.6	39.8	41.8	36.7	29.1	39.5
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°	65.8	65.8	65.8	65.8	65.8	65.8	65.8	65.8
2.5°	85.4	79.1	72.8	69.3	68.0	66.8	65.8	65.2
5°	98.7	102.5	98.1	90.2	79.1	72.8	68.4	67.1
7.5°	84.2	84.2	97.1	101.6	90.2	80.7	71.2	69.6
10°	94.9	103.8	113.3	123.8	139.9	126.6	106.7	103.2
12.5°	172.5	146.5	125.7	125.6	142.4	144.0	115.5	112.0
15°	183.3	184.2	192.4	174.7	171.2	185.8	165.8	159.6
17.5°	232.0	228.8	223.1	196.8	183.6	188.3	190.5	184.2
20°	269.7	256.0	318.7	324.7	296.6	297.5	292.8	287.4
22.5°	371.8	374.8	352.0	351.3	329.8	367.2	404.2	388.0
25°	392.8	413.0	482.0	471.0	457.7	438.4	448.2	425.4
27.5°	511.5	498.8	512.1	498.8	534.6	516.8	506.1	500.7
30°	537.4	560.5	574.1	563.7	566.2	563.7	545.3	554.5
32.5°	614.6	604.2	625.1	642.2	653.6	656.1	625.1	643.1
35°	665.9	692.8	690.6	684.6	690.0	700.1	683.6	684.2
37.5°	736.8	743.4	738.1	736.5	739.3	745.0	747.6	738.0
40°	801.7	806.4	802.3	808.0	812.4	815.0	836.5	803.3
42.5°	892.8	885.9	891.9	899.5	897.9	897.6	917.2	899.4
45°	995.4	993.8	989.0	994.1	1006.5	988.1	1019.2	1014.1
47.5°	1114.4	1114.4	1106.2	1110.9	1130.8	1116.9	1144.2	1152.6
50°	1252.7	1256.2	1233.4	1246.1	1251.1	1254.3	1280.6	1304.0
52.5°	1407.5	1410.6	1379.0	1386.2	1382.5	1406.6	1435.3	1471.7
55°	1575.8	1570.5	1530.9	1544.2	1545.8	1587.2	1605.0	1664.8
57.5°	1743.6	1742.0	1714.8	1714.4	1738.8	1782.2	1797.1	1864.2
60°	1928.4	1928.7	1895.2	1902.8	1925.2	1967.7	2024.0	2080.0
62.5°	2119.6	2133.8	2105.0	2082.9	2107.6	2162.3	2247.1	2290.2
65°	2290.8	2319.6	2272.5	2272.1	2244.0	2333.8	2399.7	2452.9
67.5°	2409.1	2413.0	2357.9	2347.5	2332.2	2390.2	2464.9	2494.0
70°	2409.2	2370.6	2316.8	2308.9	2283.5	2306.0	2396.5	2413.6
72.5°	2217.7	2175.9	2102.5	2115.2	2086.4	2118.0	2189.5	2197.8
75°	1819.2	1763.2	1713.2	1733.4	1717.6	1774.9	1836.6	1823.0
77.5°	1297.3	1228.3	1163.1	1162.5	1164.1	1178.3	1221.0	1201.4
80°	748.6	682.7	619.7	580.8	540.9	508.6	489.6	464.6
82.5°	329.5	265.2	216.8	174.7	148.4	120.0	105.4	90.6
85°	104.1	85.2	72.8	66.5	60.8	57.0	49.4	42.4
87.5°	46.8	45.9	43.0	44.3	44.3	38.3	26.6	21.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)