

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: P147584

Luminaire Tested: **AVS-F03-LED-E-U-5MQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P147584
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33674)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F03-LED-E-U-5MQ-7030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE MEDIUM
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7292.1 lumens
Efficiency: N/A
Efficacy: 93.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short - Full Cutoff
BUG Rating: B3 - U0 - G1

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

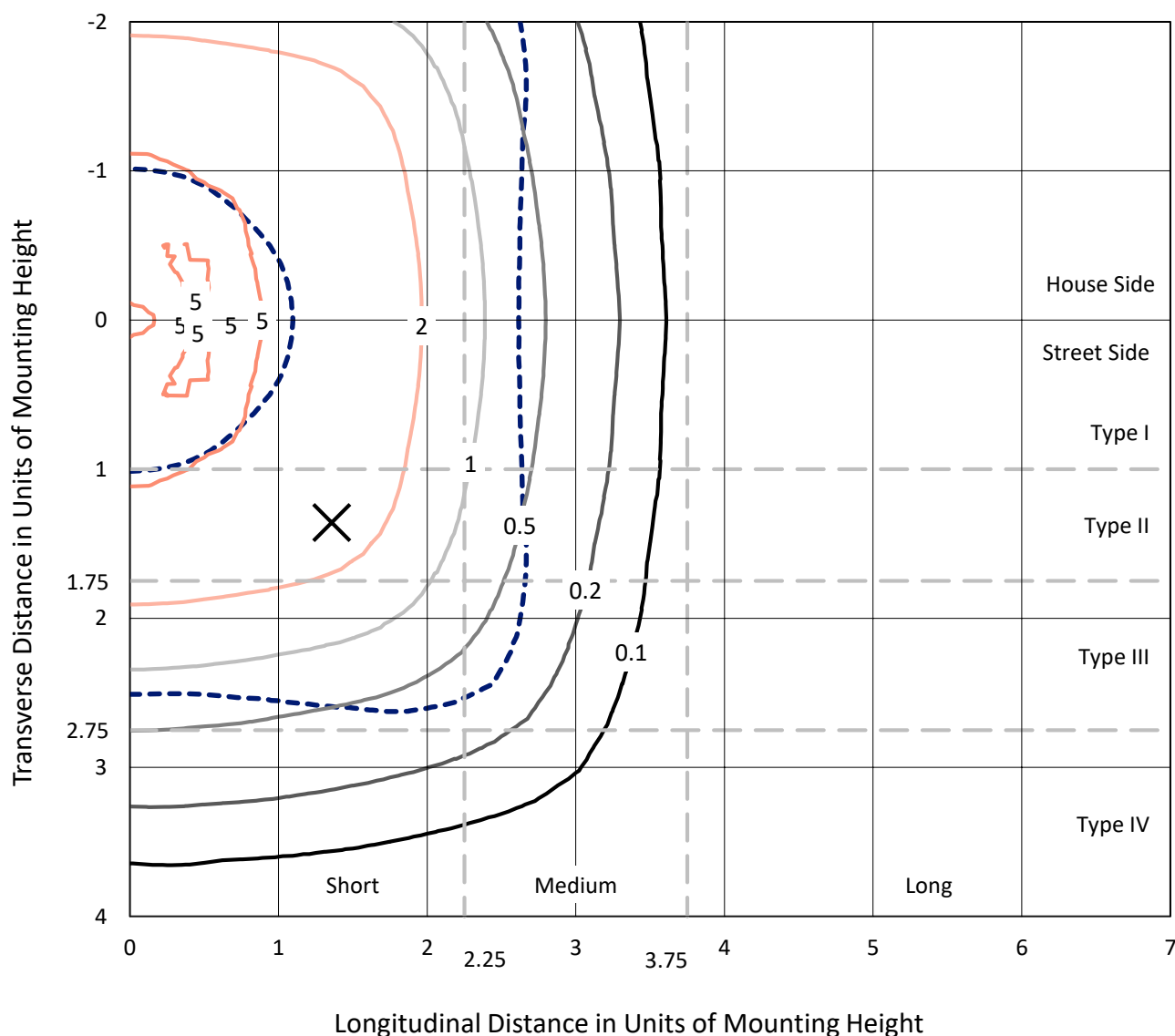


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

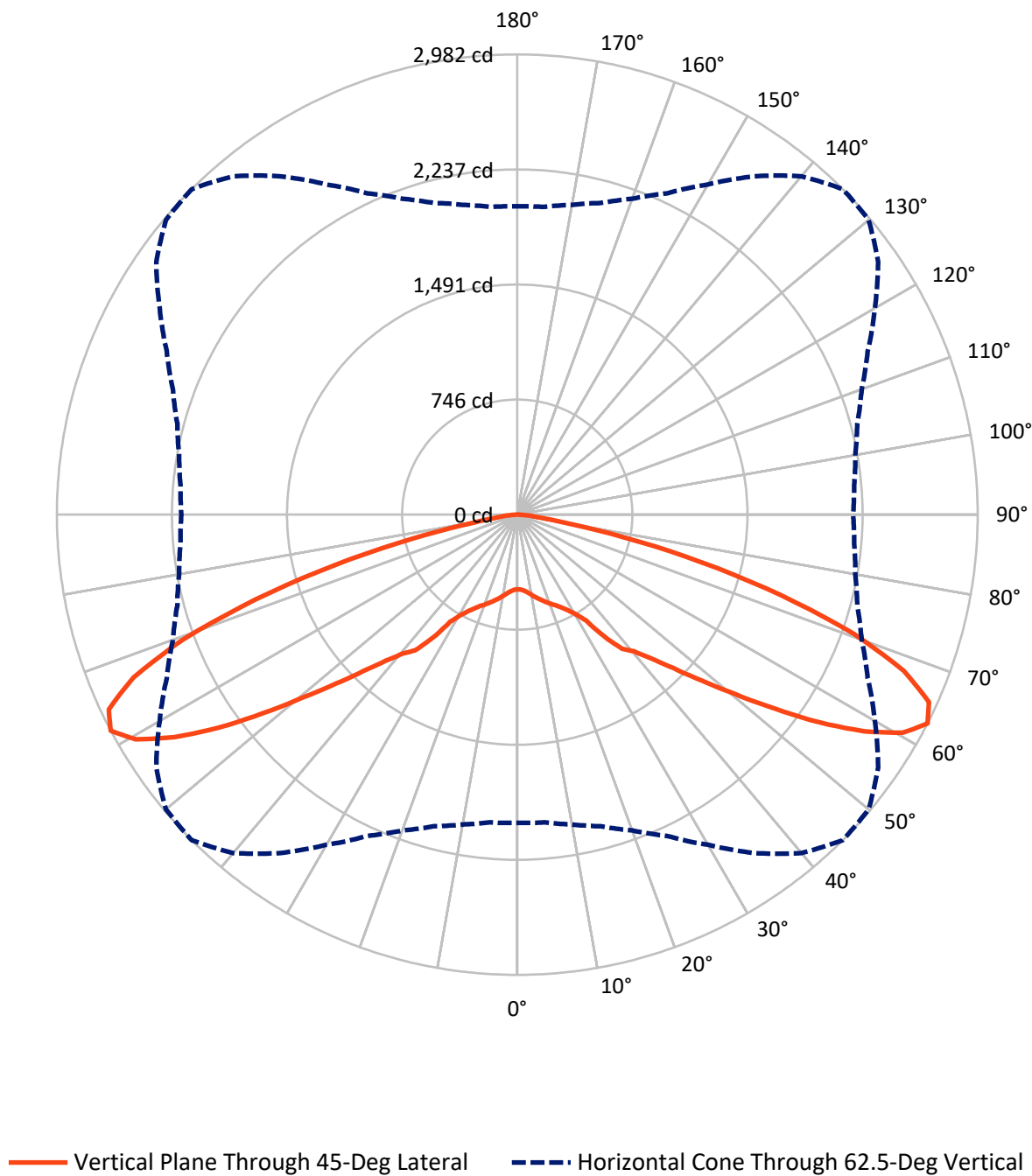


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - Full Cutoff

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Luminous Intensity Polar Plot



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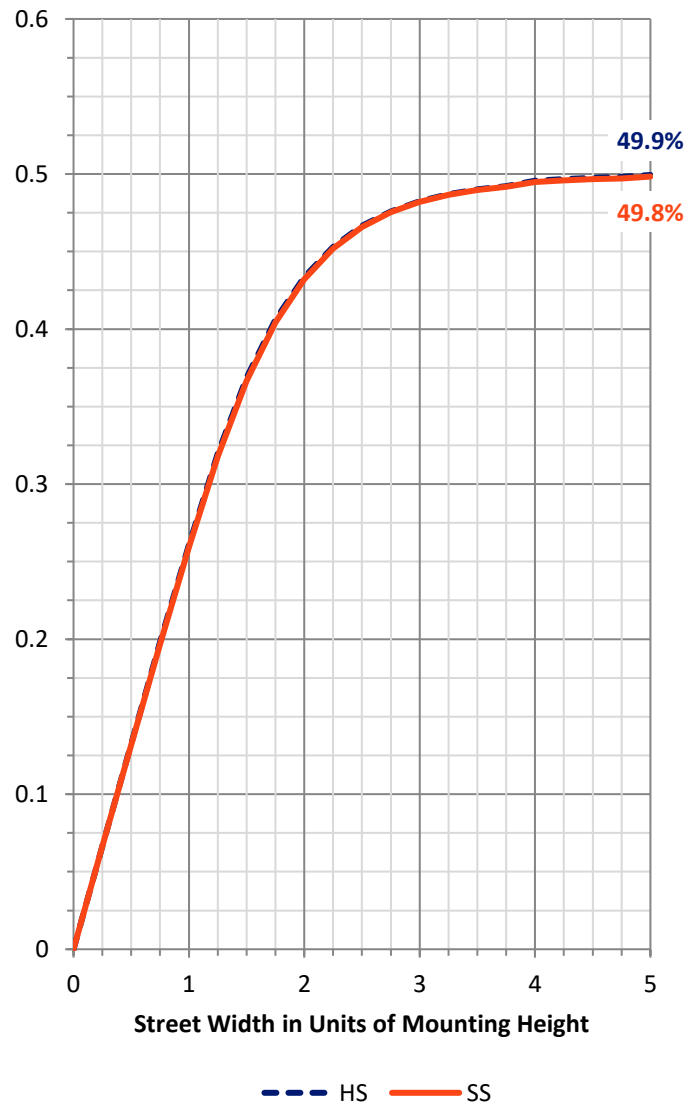
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3646.1	0.0	3646.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3646.1	0.0	3646.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	7292.1	0.0	7292.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.5	0.7
10°-20°	164.0	2.2
20°-30°	317.1	4.3
30°-40°	613.9	8.4
40°-50°	1108.4	15.2
50°-60°	1927.4	26.4
60°-70°	2188.1	30.0
70°-80°	848.3	11.6
80°-90°	76.5	1.0
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°	7292.1	100.0
0°-180°	7292.1	100.0

Coefficient of Utilization



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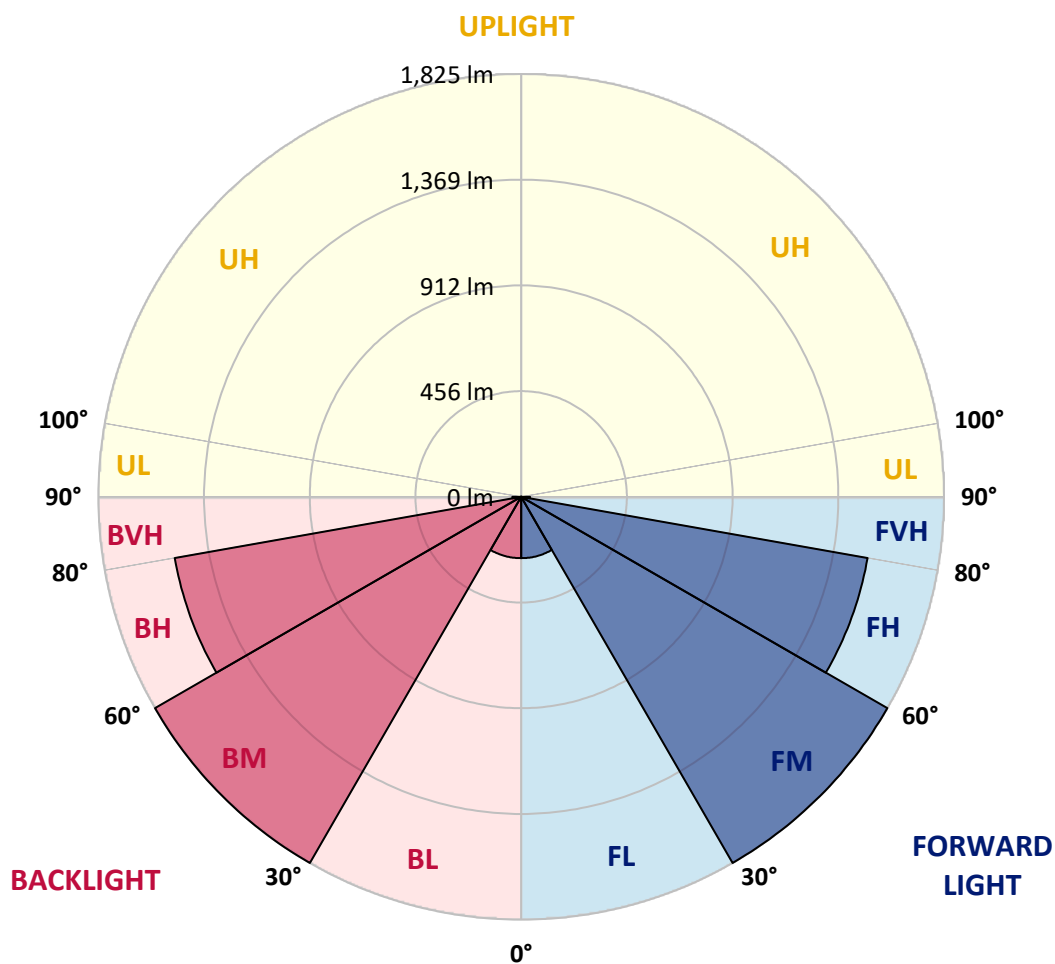
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	264.8	3.6			
FM	(30°-60°)	1824.8	25.0			
FH	(60°-80°)	1518.2	20.8			G1/1800
FVH	(80°-90°)	38.3	0.5			G1/100
BL	(0°-30°)	264.8	3.6	B1/500		
BM	(30°-60°)	1824.8	25.0	B2/2500		
BH	(60°-80°)	1518.2	20.8	B3/2500		G1/1800
BVH	(80°-90°)	38.3	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
2.5°	487.0	488.6	488.3	487.5	487.5	487.5	487.0	486.0	485.6	486.3	487.0
5°	498.4	498.4	498.4	498.4	497.6	497.6	496.9	496.2	496.6	495.8	495.3
7.5°	515.6	514.6	514.6	514.2	514.2	513.5	512.3	510.9	511.2	510.9	510.5
10°	536.2	536.5	535.3	536.5	534.6	534.2	532.6	531.9	531.6	530.5	530.4
12.5°	560.6	559.4	559.4	558.8	557.9	557.2	554.9	554.6	553.1	552.3	551.2
15°	583.6	583.2	581.8	580.2	579.9	579.1	576.4	574.9	574.5	572.6	571.2
17.5°	606.5	605.8	603.9	603.2	601.7	600.6	598.2	596.1	594.8	594.2	592.3
20°	631.1	630.4	628.4	626.9	625.1	623.6	620.1	618.3	617.2	616.0	614.5
22.5°	661.6	660.1	657.1	654.5	650.4	648.8	644.4	641.7	639.8	638.3	637.5
25°	694.8	695.1	691.0	687.7	682.7	678.5	673.0	669.8	668.1	666.5	666.1
27.5°	736.3	736.7	732.8	728.0	720.4	715.9	708.4	704.7	703.5	702.0	701.6
30°	801.9	798.5	792.1	784.2	777.4	767.6	756.7	752.8	749.0	748.0	748.0
32.5°	922.5	920.6	915.3	895.8	886.6	866.3	847.0	836.2	823.7	817.7	813.9
35°	1007.0	1006.2	1002.1	995.2	989.6	985.5	974.2	972.2	970.1	969.9	973.1
37.5°	1069.2	1064.7	1063.8	1065.0	1063.4	1064.2	1073.4	1085.8	1096.3	1101.6	1100.8
40°	1161.1	1154.7	1158.5	1155.9	1152.5	1151.7	1154.8	1159.6	1164.6	1164.6	1163.4
42.5°	1281.5	1284.5	1285.9	1275.0	1267.8	1265.9	1273.2	1271.6	1276.5	1274.6	1269.7
45°	1460.1	1458.2	1455.5	1442.4	1431.1	1422.0	1423.9	1421.2	1421.7	1418.7	1414.9
47.5°	1640.3	1646.7	1635.9	1629.4	1616.6	1610.2	1615.4	1611.0	1619.6	1603.7	1596.2
50°	1815.3	1819.7	1816.0	1806.9	1806.9	1816.0	1822.4	1830.7	1842.7	1824.7	1797.5
52.5°	1958.5	1962.3	1967.9	1975.5	1994.0	2013.2	2040.3	2069.3	2092.3	2088.9	2058.0
55°	2046.0	2050.5	2059.9	2085.9	2119.2	2169.6	2231.1	2298.5	2351.3	2377.0	2354.4
57.5°	2075.3	2078.8	2104.4	2135.6	2187.4	2262.4	2365.3	2481.8	2583.2	2647.7	2637.5
60°	2068.6	2068.6	2094.6	2137.6	2209.9	2309.4	2455.0	2616.4	2771.7	2868.2	2853.9
62.5°	1997.3	2001.0	2038.3	2090.1	2177.5	2296.6	2470.1	2676.3	2862.2	2982.0	2970.4
65°	1841.2	1843.9	1884.2	1945.7	2043.3	2184.2	2374.0	2602.4	2815.3	2930.8	2908.9
67.5°	1589.0	1591.7	1624.5	1693.9	1797.1	1944.6	2149.2	2400.7	2609.1	2700.4	2634.8
70°	1264.0	1271.6	1292.6	1366.2	1444.7	1589.0	1777.6	2029.0	2225.7	2312.1	2239.8
72.5°	861.5	880.6	906.3	971.5	1046.5	1166.4	1316.5	1528.3	1686.3	1786.2	1721.8
75°	485.2	512.3	520.3	569.6	631.5	726.0	835.9	987.8	1147.3	1228.2	1150.7
77.5°	209.6	231.9	241.7	264.7	313.0	352.5	419.3	521.8	645.0	702.0	608.8
80°	103.2	108.6	112.7	119.9	133.5	146.3	178.0	222.8	273.4	286.1	227.8
82.5°	80.0	83.7	90.9	96.6	99.9	103.2	106.3	112.3	117.3	119.9	113.2
85°	56.2	61.0	69.0	75.4	79.2	81.9	84.5	86.3	81.8	74.6	78.4
87.5°	14.7	19.3	26.7	29.0	32.7	34.6	34.0	35.0	31.7	23.0	25.6
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°	484.0	484.0	484.0	484.0	484.0	484.0	484.0	484.0
2.5°	486.7	486.3	486.7	486.6	486.7	486.3	486.3	486.3
5°	495.3	495.3	495.8	495.0	494.9	495.3	494.9	494.6
7.5°	510.1	509.6	509.6	509.3	509.6	509.3	509.3	508.9
10°	529.7	528.9	529.3	528.2	528.2	527.8	527.8	527.8
12.5°	550.9	549.6	550.1	548.9	546.9	547.4	547.8	547.4
15°	571.2	569.9	568.9	568.1	567.0	567.4	567.4	567.0
17.5°	591.9	589.6	589.2	588.1	587.8	587.8	587.8	588.1
20°	613.4	611.8	611.5	610.4	610.1	611.2	611.5	610.8
22.5°	636.4	635.6	636.4	635.6	636.7	637.5	637.9	637.1
25°	665.4	664.7	665.8	668.4	669.9	670.7	672.5	671.8
27.5°	702.8	702.0	704.7	708.4	710.7	714.4	716.3	717.1
30°	751.0	754.3	755.9	763.4	765.0	771.0	771.0	773.6
32.5°	821.0	827.6	838.8	850.6	866.7	878.3	878.4	884.5
35°	974.9	977.6	986.2	988.1	991.5	995.2	991.5	994.5
37.5°	1092.8	1081.2	1073.0	1061.2	1054.1	1054.1	1054.8	1054.1
40°	1153.3	1148.7	1145.0	1135.1	1133.6	1133.3	1133.3	1134.7
42.5°	1261.0	1250.2	1244.1	1235.8	1233.2	1232.4	1232.0	1232.7
45°	1401.2	1383.6	1367.4	1359.1	1351.9	1345.1	1347.4	1347.4
47.5°	1564.6	1537.0	1510.7	1496.3	1483.8	1478.1	1474.4	1473.3
50°	1763.2	1724.8	1690.8	1664.0	1646.0	1645.6	1647.5	1635.4
52.5°	2006.7	1946.1	1903.8	1867.7	1850.7	1848.8	1842.7	1836.0
55°	2276.7	2204.8	2134.9	2096.2	2073.9	2061.8	2054.6	2043.3
57.5°	2554.8	2458.0	2357.7	2295.5	2256.4	2229.2	2214.9	2208.5
60°	2769.4	2637.1	2504.8	2404.9	2339.7	2299.4	2274.5	2264.2
62.5°	2853.9	2674.4	2504.8	2373.6	2279.4	2223.5	2189.9	2175.2
65°	2753.2	2540.5	2347.6	2202.8	2097.6	2035.4	1998.8	1983.0
67.5°	2471.9	2284.1	2074.2	1930.2	1822.0	1760.6	1721.0	1709.3
70°	2072.3	1880.4	1679.9	1551.3	1454.8	1404.7	1363.5	1358.7
72.5°	1557.3	1391.9	1219.9	1113.6	1036.0	953.1	931.9	942.5
75°	998.3	843.3	690.3	594.5	523.6	444.5	413.9	421.5
77.5°	472.7	366.0	264.2	204.4	171.6	146.7	140.3	136.5
80°	175.3	142.2	125.6	119.2	114.6	110.5	107.4	104.0
82.5°	113.5	110.9	107.5	106.3	103.0	97.6	87.9	83.7
85°	84.9	84.9	80.3	80.6	78.0	71.3	62.2	57.3
87.5°	24.9	22.3	20.3	18.9	18.4	16.6	12.0	10.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)