

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: P177342

Luminaire Tested: **VAL-F03-LED-E-U-WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177342
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33699)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: VAL-F03-LED-E-U-WQ-7030
Description: VALET TUNNEL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6994.3 lumens
Efficiency: N/A
Efficacy: 89.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')
IES Classification: Type V - Short - Non-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

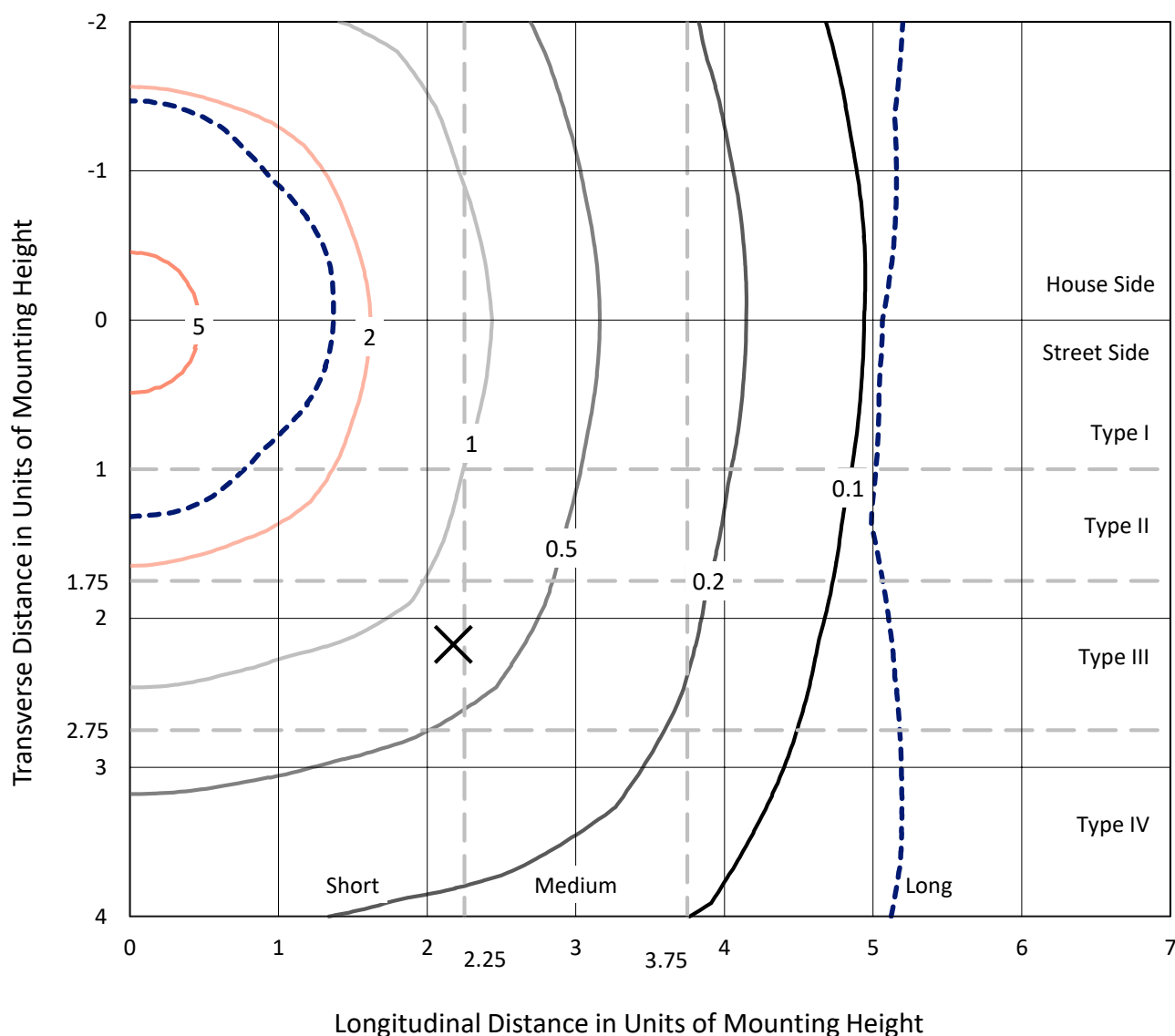


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

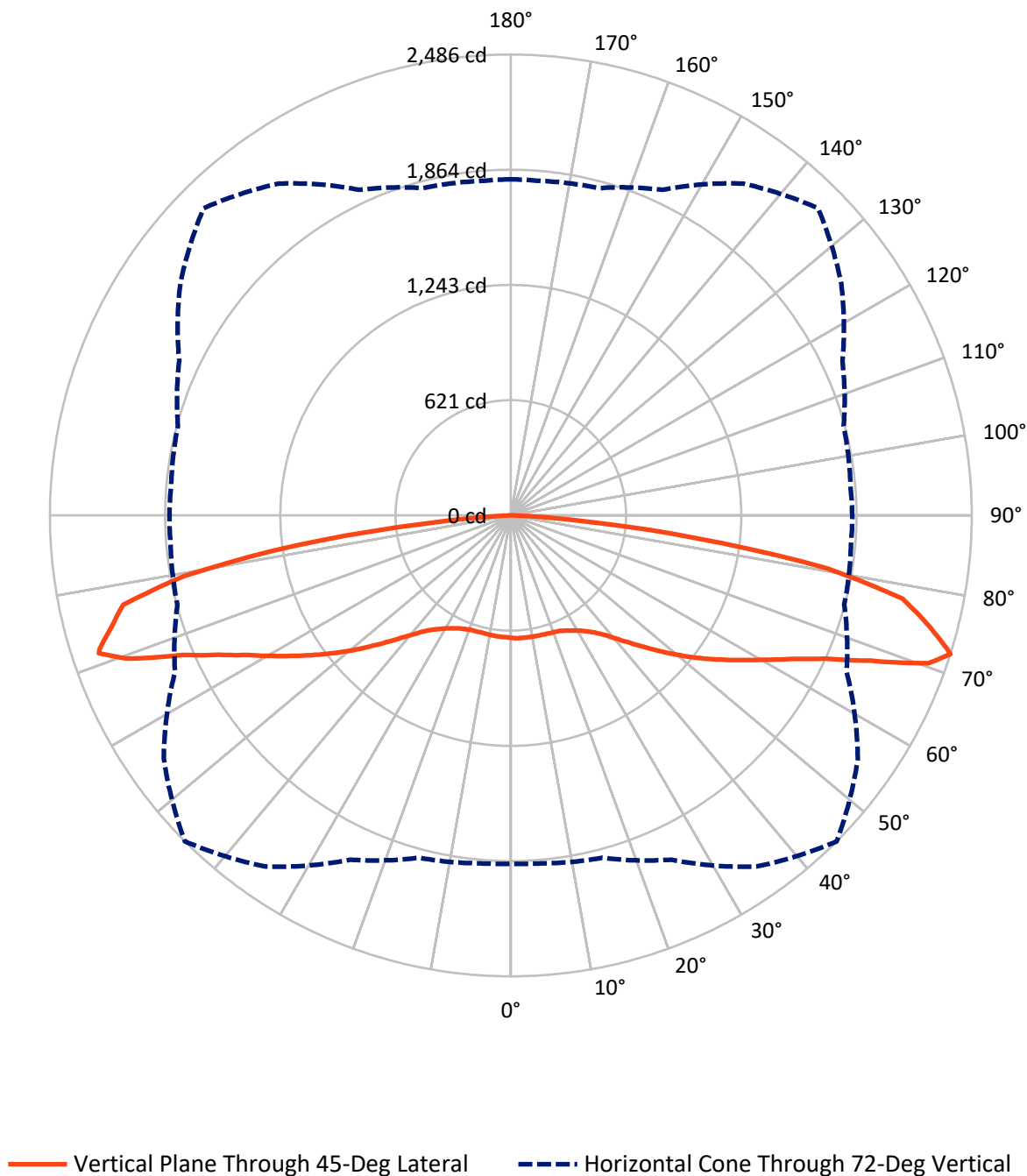


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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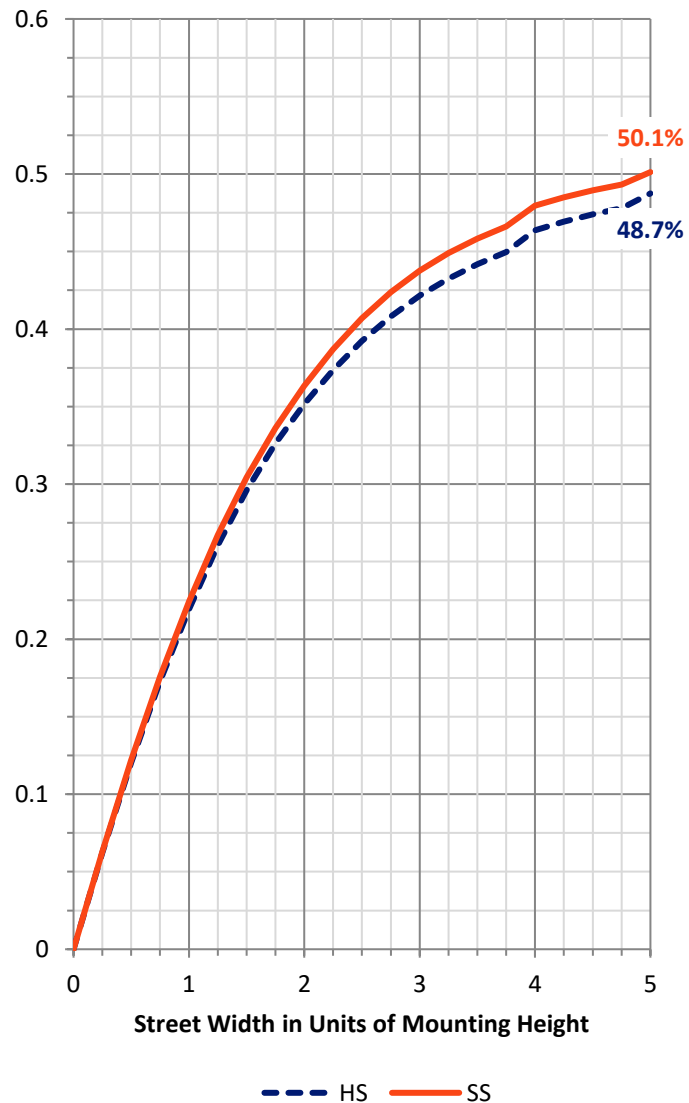
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3449.2	0.0	3449.2
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	3545.1	0.0	3545.1
	% Fixture	50.7	0.0	50.7
Total	Lumens	6994.3	0.0	6994.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.0	0.9
10°-20°	187.3	2.7
20°-30°	314.6	4.5
30°-40°	478.8	6.8
40°-50°	756.9	10.8
50°-60°	1156.0	16.5
60°-70°	1693.6	24.2
70°-80°	1924.0	27.5
80°-90°	420.3	6.0
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°	6994.3	100.0
0°-180°	6994.3	100.0

Coefficient of Utilization



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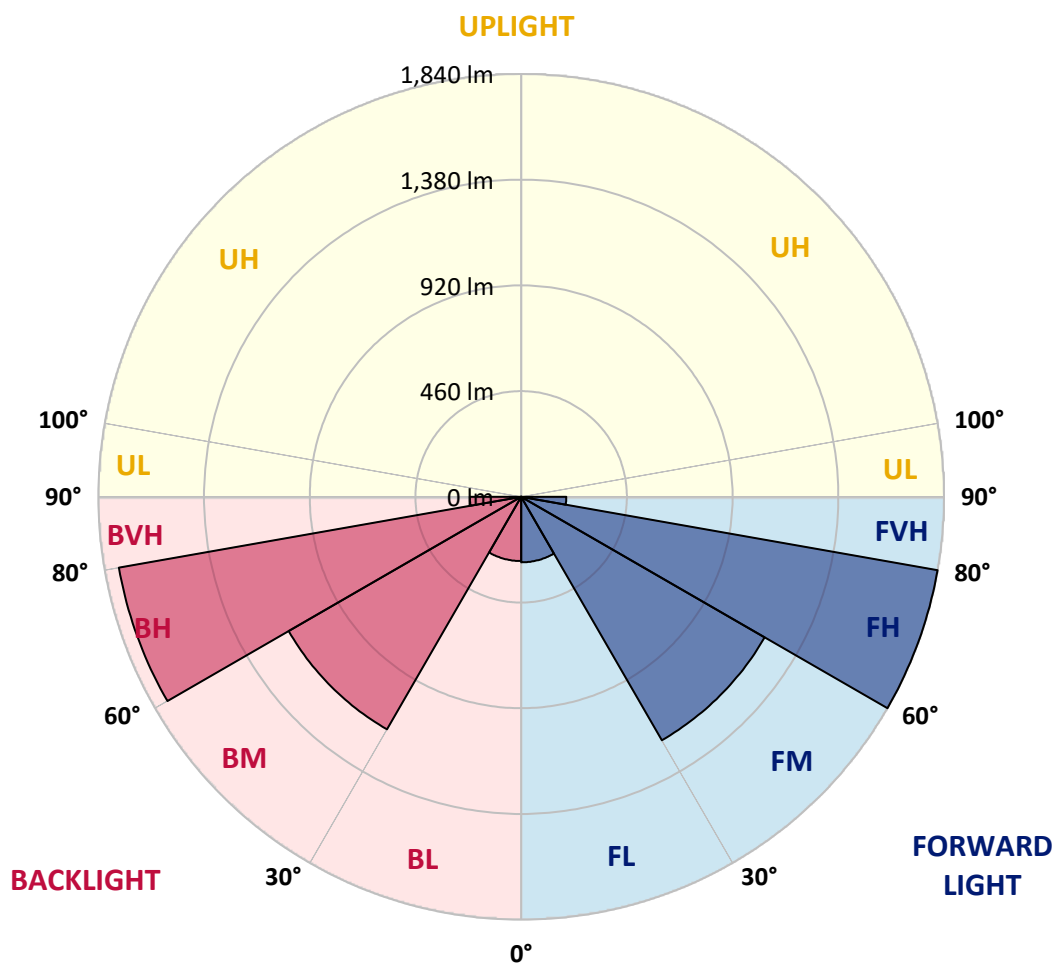
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	285.2	4.1			
FM	(30°-60°)	1223.3	17.5			
FH	(60°-80°)	1840.0	26.3			G2/5000
FVH	(80°-90°)	196.6	2.8			G2/225
BL	(0°-30°)	279.6	4.0	B1/500		
BM	(30°-60°)	1168.3	16.7	B2/2500		
BH	(60°-80°)	1777.6	25.4	B3/2500		G1/1800
BVH	(80°-90°)	223.7	3.2			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°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5
2.5°	665.9	665.9	664.1	663.2	663.2	662.8	662.3	662.3	661.9	662.3	661.0
5°	666.8	666.8	665.0	664.1	663.7	663.2	663.2	662.3	661.9	662.3	661.0
7.5°	666.8	667.3	666.4	665.5	664.1	663.7	663.2	661.9	661.9	661.0	660.5
10°	668.6	670.0	668.2	666.8	665.0	664.1	662.8	661.9	661.4	660.5	660.5
12.5°	670.0	671.4	669.5	668.2	666.4	665.0	663.2	661.9	661.0	659.6	660.0
15°	671.8	673.2	671.4	669.5	667.7	665.9	664.1	662.3	661.0	660.0	660.0
17.5°	672.7	674.1	672.3	670.5	669.1	668.2	665.9	663.2	661.4	660.5	660.5
20°	674.1	675.4	674.1	673.2	671.8	671.4	669.1	665.9	663.7	662.3	661.9
22.5°	677.2	678.1	677.7	677.7	677.7	677.2	675.4	670.5	667.7	665.5	665.0
25°	684.9	684.5	685.4	686.3	686.7	687.6	684.9	679.5	675.9	672.3	671.8
27.5°	697.6	698.0	698.5	700.3	702.1	702.6	699.9	694.0	688.5	683.6	683.1
30°	712.1	712.1	713.9	717.5	719.3	720.7	718.0	710.7	703.9	699.0	698.0
32.5°	732.9	734.7	735.6	739.7	743.3	744.6	740.6	732.9	725.2	718.9	717.5
35°	762.7	765.5	766.4	770.0	774.0	774.5	770.9	762.3	754.1	745.5	746.0
37.5°	804.8	805.3	807.5	808.4	816.1	816.1	810.2	802.6	794.4	786.7	784.5
40°	860.9	861.4	862.3	860.9	870.0	872.7	865.0	853.2	845.5	835.6	834.2
42.5°	922.0	926.5	926.1	923.8	932.8	938.7	929.2	915.6	907.5	897.1	895.3
45°	997.5	996.6	992.6	997.5	1007.9	1014.3	1002.5	985.3	976.7	963.6	963.2
47.5°	1070.8	1069.9	1063.6	1067.2	1086.7	1097.1	1079.9	1060.4	1049.1	1041.4	1035.5
50°	1140.5	1146.8	1138.7	1146.4	1171.7	1185.7	1169.9	1139.1	1125.6	1113.8	1110.6
52.5°	1222.4	1226.0	1218.8	1231.0	1259.0	1279.4	1257.7	1217.9	1204.3	1191.2	1187.1
55°	1306.1	1304.3	1300.6	1314.2	1348.6	1372.6	1349.0	1301.1	1281.2	1271.2	1271.2
57.5°	1388.4	1389.3	1380.7	1397.0	1440.4	1472.1	1442.7	1383.9	1359.5	1348.1	1351.8
60°	1476.6	1476.6	1463.5	1478.4	1539.1	1579.3	1535.0	1467.6	1440.9	1434.1	1434.5
62.5°	1575.7	1572.1	1557.6	1576.1	1649.9	1703.3	1647.6	1563.5	1528.6	1528.6	1531.8
65°	1690.2	1684.3	1679.3	1700.6	1796.0	1861.2	1787.9	1681.6	1650.8	1647.2	1653.1
67.5°	1854.8	1861.2	1848.5	1876.5	2006.8	2091.9	1980.6	1843.5	1810.9	1807.8	1822.3
70°	2003.2	1996.9	2013.2	2092.3	2269.7	2388.2	2233.5	2022.7	1929.5	1910.5	1916.3
72°	1878.3	1883.3	1910.9	2048.4	2311.3	2485.5	2284.6	1997.8	1861.2	1841.3	1840.8
72.5°	1849.4	1853.0	1876.5	2008.6	2281.4	2459.7	2258.8	1966.1	1837.2	1820.0	1819.1
75°	1697.4	1704.6	1741.7	1870.2	2147.1	2314.9	2126.3	1852.6	1711.0	1678.4	1685.2
77.5°	1445.9	1460.8	1498.3	1646.3	1971.1	2158.8	1957.1	1642.2	1483.4	1459.4	1451.7
80°	1060.9	1041.0	1108.8	1240.0	1471.2	1729.5	1492.5	1237.3	1072.6	1028.7	1039.6
82.5°	361.0	369.6	476.8	636.5	807.5	1009.7	857.3	619.8	456.5	401.3	376.8
85°	43.9	47.5	74.2	135.3	254.2	367.3	259.7	137.5	85.5	52.5	46.1
87.5°	21.3	22.6	31.7	33.9	42.1	35.7	42.5	27.1	25.8	15.8	13.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5	660.5
2.5°	660.5	659.6	659.1	658.2	657.3	657.3	657.3	657.3	657.3	657.8
5°	660.5	659.6	659.1	657.8	656.9	656.9	656.4	656.9	656.4	656.9
7.5°	660.5	659.1	657.8	656.4	655.5	656.0	655.1	654.6	655.1	655.1
10°	660.0	657.8	656.0	654.6	654.2	653.7	653.7	653.3	654.2	653.7
12.5°	659.6	656.9	654.6	652.8	652.4	652.4	652.4	652.4	653.7	653.3
15°	659.1	656.4	654.2	651.9	651.5	652.4	652.4	653.3	654.2	654.2
17.5°	659.6	656.4	653.7	651.9	651.9	652.8	653.3	654.6	656.0	655.1
20°	661.4	657.8	655.5	653.7	654.6	655.5	655.5	656.4	657.8	656.9
22.5°	664.1	661.4	659.6	659.1	660.5	661.0	660.5	660.0	660.5	659.6
25°	670.5	667.7	666.4	668.2	669.5	669.1	667.3	665.5	664.6	664.1
27.5°	682.2	680.0	679.5	681.8	683.1	680.9	677.7	675.0	674.1	672.7
30°	696.7	695.3	696.7	699.0	699.4	695.8	691.3	687.2	685.8	685.8
32.5°	715.7	714.3	717.5	721.1	722.0	717.0	709.8	704.4	700.8	700.3
35°	743.3	742.4	743.3	747.8	747.4	742.4	734.2	727.9	724.3	724.3
37.5°	781.7	780.8	778.6	783.1	782.6	775.9	767.3	761.8	757.8	758.2
40°	832.0	830.6	827.9	828.8	832.4	823.4	812.5	805.3	804.8	804.8
42.5°	892.1	885.8	886.7	892.1	889.4	878.6	868.6	862.3	862.3	861.8
45°	957.7	955.5	954.6	956.4	958.6	950.0	933.3	926.1	925.6	925.6
47.5°	1033.7	1022.4	1024.7	1029.2	1034.6	1023.8	1002.5	993.9	992.6	993.0
50°	1107.9	1096.2	1098.4	1107.9	1118.3	1101.1	1074.9	1064.5	1062.7	1063.6
52.5°	1184.8	1174.9	1174.9	1190.7	1204.3	1183.0	1150.0	1137.3	1137.3	1136.9
55°	1266.3	1252.7	1258.1	1278.5	1294.8	1269.0	1228.3	1218.3	1210.6	1213.8
57.5°	1347.2	1333.7	1338.2	1369.4	1389.8	1359.0	1307.9	1287.1	1282.5	1281.6
60°	1430.0	1414.6	1420.1	1468.9	1492.9	1452.2	1377.1	1351.8	1347.7	1347.2
62.5°	1521.9	1511.0	1519.1	1575.7	1603.3	1545.4	1450.8	1421.9	1423.2	1420.1
65°	1636.3	1627.7	1641.7	1711.0	1744.9	1659.8	1546.3	1512.8	1516.9	1516.4
67.5°	1800.1	1789.7	1798.3	1895.1	1925.4	1816.4	1678.8	1645.8	1652.2	1662.6
70°	1902.8	1910.5	1987.8	2123.5	2206.8	2095.5	1913.6	1851.7	1854.8	1856.2
72°	1838.5	1858.0	1972.9	2175.6	2342.5	2184.2	1936.7	1826.8	1810.5	1812.3
72.5°	1821.3	1836.3	1951.6	2153.9	2331.2	2165.2	1911.8	1807.8	1781.5	1782.4
75°	1692.0	1720.5	1831.3	2041.7	2231.7	2069.7	1815.9	1705.1	1684.7	1684.7
77.5°	1468.9	1508.7	1622.3	1917.7	2145.7	1969.3	1694.2	1557.1	1536.3	1528.6
80°	1080.8	1139.1	1250.9	1542.7	1788.8	1627.7	1394.7	1253.6	1221.0	1209.3
82.5°	425.7	475.9	663.7	929.2	1178.9	1003.4	758.7	632.9	532.0	521.2
85°	52.9	85.5	167.4	306.3	468.2	333.0	198.6	104.1	56.1	47.0
87.5°	15.4	29.0	31.7	51.6	61.1	56.1	35.3	31.7	17.6	15.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)