

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: P177337

Luminaire Tested: **VAL-E03-LED-E-U-WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177337
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-E03-LED-E-U-WQ-7030
Description: VALET TUNNEL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8472.5 lumens
Efficiency: N/A
Efficacy: 112.7 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 - G3

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



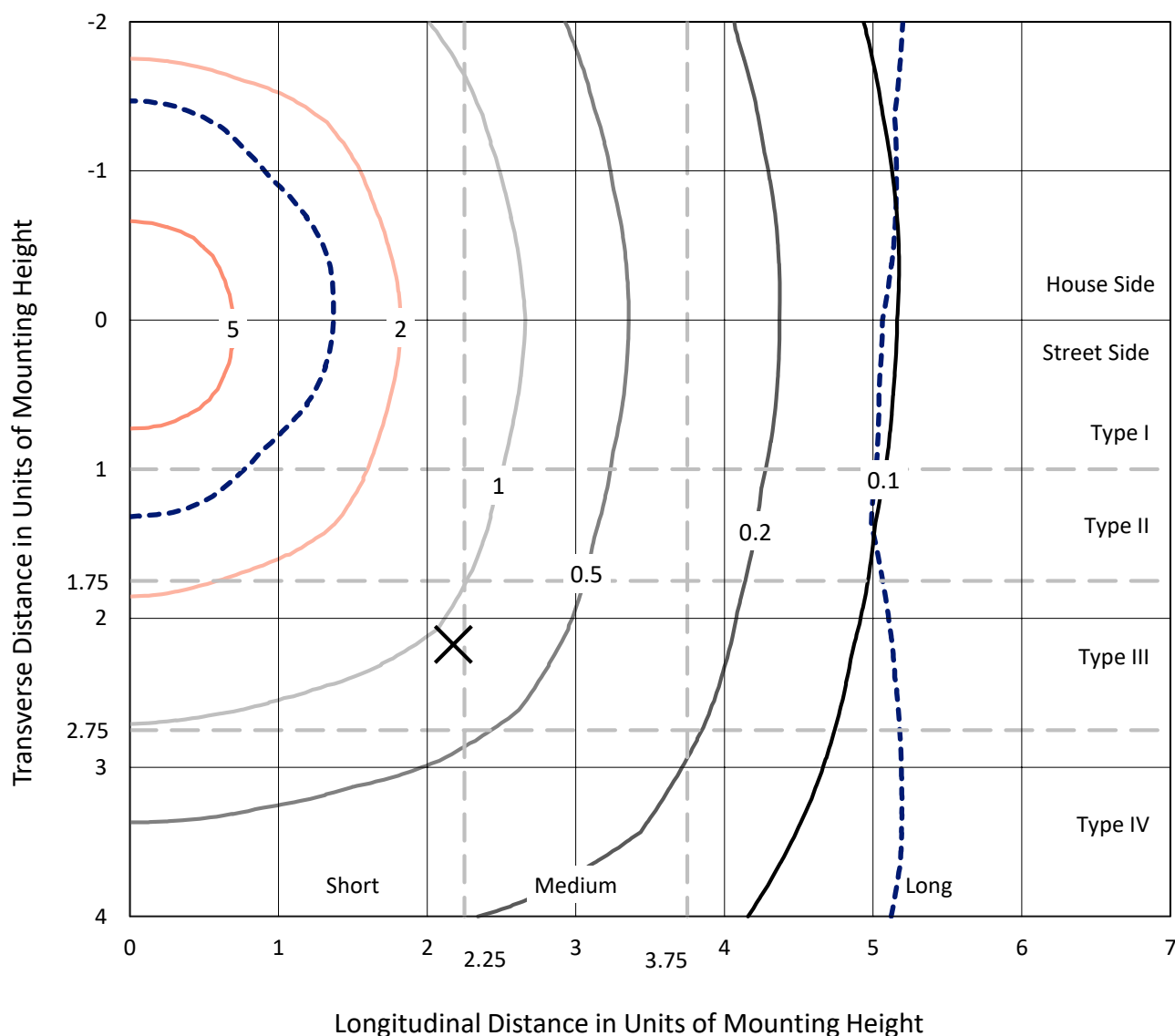
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

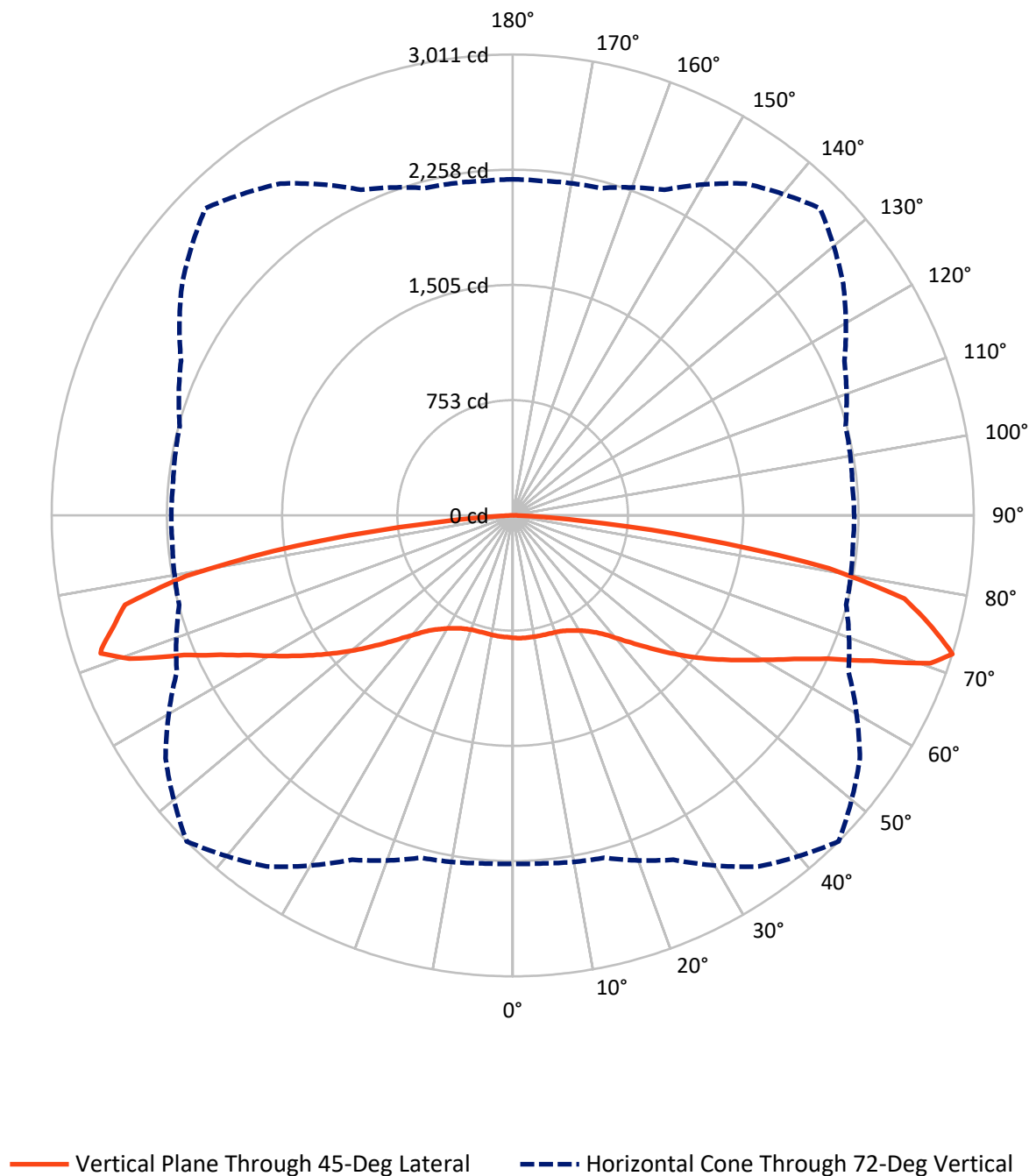


Based on 10 foot mounting height. Maximum calculated value = 8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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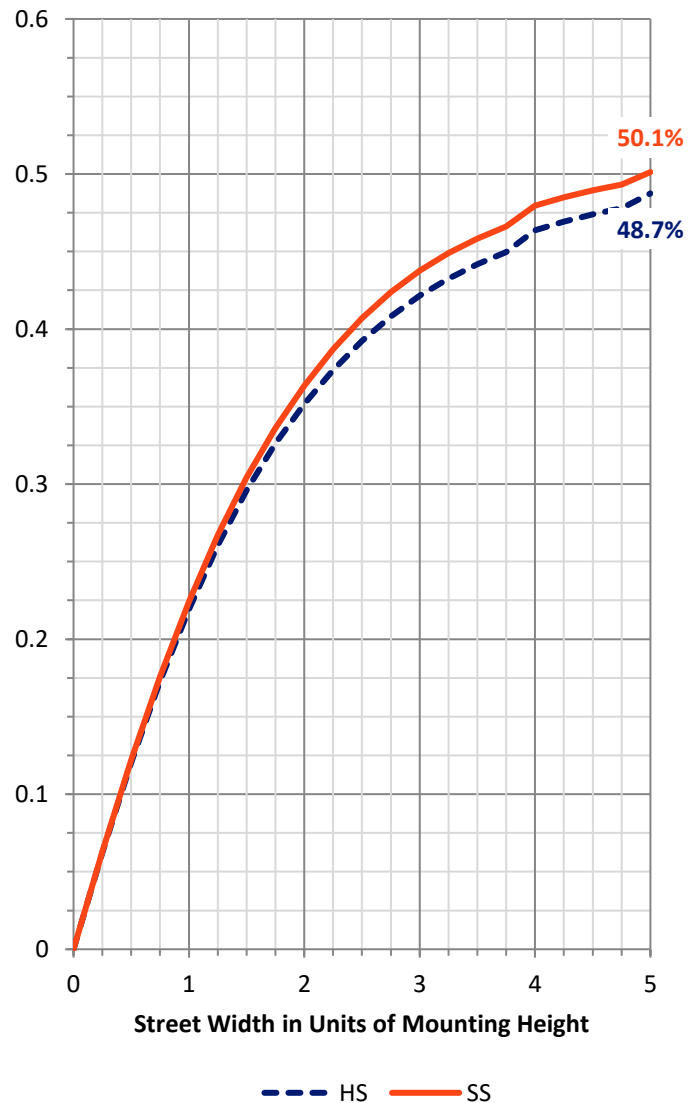
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4178.2	0.0	4178.2
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	4294.3	0.0	4294.3
	% Fixture	50.7	0.0	50.7
Total	Lumens	8472.5	0.0	8472.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.4	0.9
10°-20°	226.8	2.7
20°-30°	381.0	4.5
30°-40°	579.9	6.8
40°-50°	916.8	10.8
50°-60°	1400.3	16.5
60°-70°	2051.5	24.2
70°-80°	2330.6	27.5
80°-90°	509.1	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°	8472.5	100.0
0°-180°	8472.5	100.0

Coefficient of Utilization



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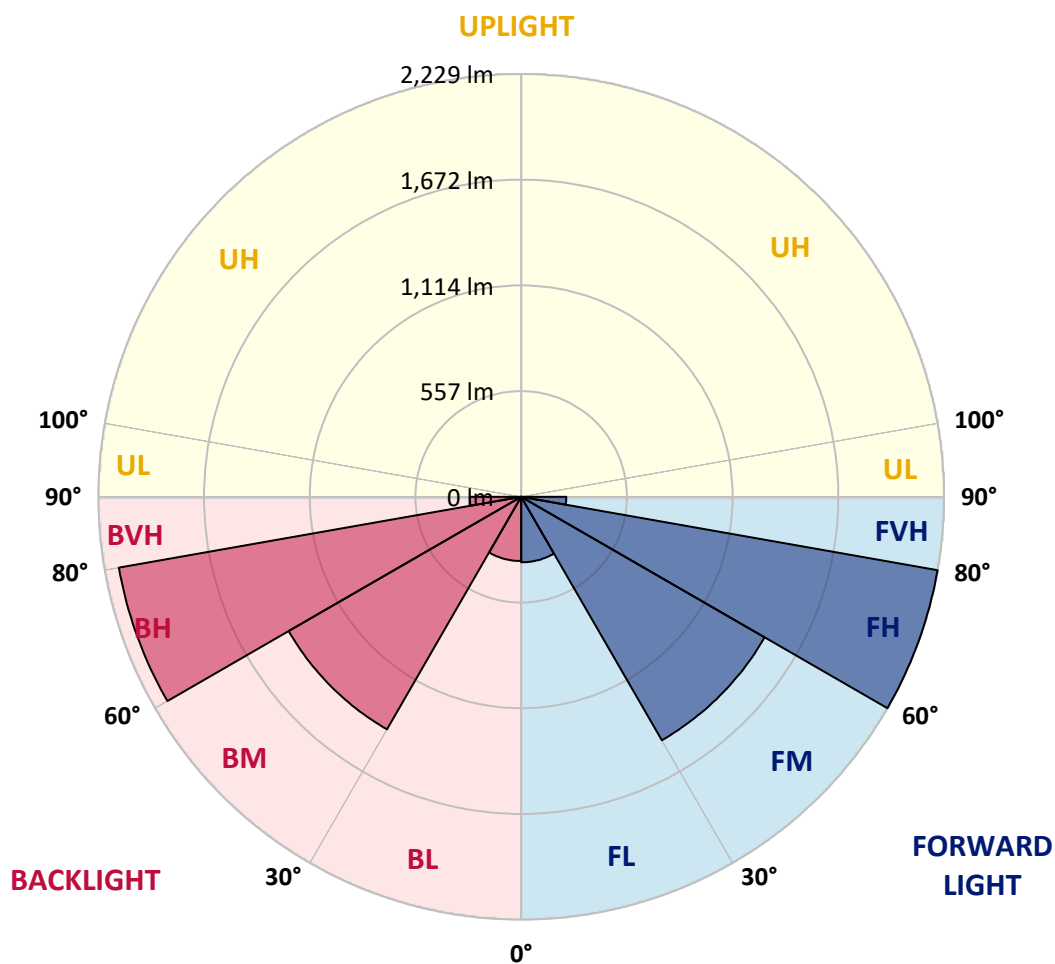
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	345.5	4.1			
FM	(30°-60°)	1481.8	17.5			
FH	(60°-80°)	2228.9	26.3			G2/5000
FVH	(80°-90°)	238.1	2.8			G3/500
BL	(0°-30°)	338.7	4.0	B1/500		
BM	(30°-60°)	1415.2	16.7	B2/2500		
BH	(60°-80°)	2153.2	25.4	B3/2500		G2/5000
BVH	(80°-90°)	271.0	3.2			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1
2.5°	806.7	806.7	804.5	803.4	803.4	802.8	802.3	802.3	801.7	802.3	800.6
5°	807.8	807.8	805.6	804.5	803.9	803.4	803.4	802.3	801.7	802.3	800.6
7.5°	807.8	808.3	807.2	806.1	804.5	803.9	803.4	801.7	801.7	800.6	800.1
10°	810.0	811.6	809.4	807.8	805.6	804.5	802.8	801.7	801.2	800.1	800.1
12.5°	811.6	813.2	811.1	809.4	807.2	805.6	803.4	801.7	800.6	799.0	799.5
15°	813.8	815.4	813.2	811.1	808.9	806.7	804.5	802.3	800.6	799.5	799.5
17.5°	814.9	816.5	814.3	812.2	810.5	809.4	806.7	803.4	801.2	800.1	800.1
20°	816.5	818.2	816.5	815.4	813.8	813.2	810.5	806.7	803.9	802.3	801.7
22.5°	820.4	821.5	820.9	820.9	820.9	820.4	818.2	812.2	808.9	806.1	805.6
25°	829.7	829.1	830.2	831.3	831.9	833.0	829.7	823.1	818.7	814.3	813.8
27.5°	845.0	845.6	846.1	848.3	850.5	851.1	847.8	840.6	834.1	828.0	827.5
30°	862.6	862.6	864.8	869.1	871.3	873.0	869.7	860.9	852.7	846.7	845.6
32.5°	887.8	890.0	891.1	896.0	900.4	902.0	897.1	887.8	878.5	870.8	869.1
35°	923.9	927.2	928.3	932.7	937.6	938.2	933.8	923.4	913.5	903.1	903.7
37.5°	974.9	975.5	978.2	979.3	988.6	988.6	981.5	972.2	962.3	953.0	950.2
40°	1042.9	1043.4	1044.5	1042.9	1053.8	1057.1	1047.8	1033.5	1024.2	1012.2	1010.5
42.5°	1116.8	1122.3	1121.8	1119.0	1130.0	1137.1	1125.6	1109.2	1099.3	1086.7	1084.5
45°	1208.4	1207.3	1202.3	1208.4	1221.0	1228.6	1214.4	1193.6	1183.2	1167.3	1166.7
47.5°	1297.1	1296.0	1288.4	1292.8	1316.3	1328.9	1308.1	1284.5	1270.8	1261.5	1254.4
50°	1381.5	1389.2	1379.3	1388.7	1419.3	1436.3	1417.2	1379.9	1363.4	1349.2	1345.4
52.5°	1480.7	1485.1	1476.3	1491.1	1525.1	1549.8	1523.5	1475.2	1458.8	1442.9	1438.0
55°	1582.1	1579.9	1575.5	1592.0	1633.6	1662.7	1634.2	1576.1	1552.0	1539.9	1539.9
57.5°	1681.8	1682.9	1672.5	1692.3	1744.9	1783.2	1747.6	1676.4	1646.8	1633.1	1637.5
60°	1788.7	1788.7	1772.8	1790.9	1864.3	1913.1	1859.4	1777.7	1745.4	1737.2	1737.7
62.5°	1908.7	1904.3	1886.8	1909.3	1998.6	2063.3	1995.9	1893.9	1851.7	1851.7	1855.6
65°	2047.4	2040.2	2034.2	2060.0	2175.6	2254.5	2165.7	2037.0	1999.7	1995.3	2002.4
67.5°	2246.8	2254.5	2239.2	2273.1	2431.0	2534.0	2399.2	2233.1	2193.7	2189.8	2207.4
70°	2426.6	2418.9	2438.6	2534.5	2749.4	2892.9	2705.5	2450.2	2337.3	2314.2	2321.4
72°	2275.3	2281.4	2314.8	2481.4	2799.8	3010.8	2767.5	2420.0	2254.5	2230.4	2229.9
72.5°	2240.3	2244.6	2273.1	2433.2	2763.6	2979.5	2736.2	2381.7	2225.5	2204.6	2203.5
75°	2056.1	2064.9	2109.8	2265.5	2600.9	2804.2	2575.6	2244.1	2072.6	2033.1	2041.3
77.5°	1751.4	1769.5	1815.0	1994.2	2387.7	2615.1	2370.7	1989.3	1796.9	1767.9	1758.6
80°	1285.1	1261.0	1343.2	1502.1	1782.1	2095.0	1807.9	1498.8	1299.3	1246.2	1259.3
82.5°	437.3	447.7	577.6	771.1	978.2	1223.2	1038.5	750.8	552.9	486.1	456.5
85°	53.2	57.5	89.9	163.9	308.0	445.0	314.6	166.6	103.6	63.6	55.9
87.5°	25.8	27.4	38.4	41.1	51.0	43.3	51.5	32.9	31.2	19.2	15.9
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1	800.1
2.5°	800.1	799.0	798.5	797.4	796.3	796.3	796.3	796.3	796.3	796.8
5°	800.1	799.0	798.5	796.8	795.7	795.7	795.2	795.7	795.2	795.7
7.5°	800.1	798.5	796.8	795.2	794.1	794.6	793.5	793.0	793.5	793.5
10°	799.5	796.8	794.6	793.0	792.4	791.9	791.9	791.3	792.4	791.9
12.5°	799.0	795.7	793.0	790.8	790.2	790.2	790.2	790.2	791.9	791.3
15°	798.5	795.2	792.4	789.7	789.1	790.2	790.2	791.3	792.4	792.4
17.5°	799.0	795.2	791.9	789.7	789.7	790.8	791.3	793.0	794.6	793.5
20°	801.2	796.8	794.1	791.9	793.0	794.1	794.1	795.2	796.8	795.7
22.5°	804.5	801.2	799.0	798.5	800.1	800.6	800.1	799.5	800.1	799.0
25°	812.2	808.9	807.2	809.4	811.1	810.5	808.3	806.1	805.0	804.5
27.5°	826.4	823.7	823.1	825.9	827.5	824.8	820.9	817.6	816.5	814.9
30°	843.9	842.3	843.9	846.7	847.2	842.8	837.4	832.4	830.8	830.8
32.5°	867.0	865.3	869.1	873.5	874.6	868.6	859.8	853.3	848.9	848.3
35°	900.4	899.3	900.4	905.9	905.3	899.3	889.4	881.7	877.4	877.4
37.5°	947.0	945.9	943.1	948.6	948.1	939.8	929.4	922.8	917.9	918.5
40°	1007.8	1006.1	1002.9	1004.0	1008.3	997.4	984.2	975.5	974.9	974.9
42.5°	1080.7	1073.0	1074.1	1080.7	1077.4	1064.2	1052.2	1044.5	1044.5	1044.0
45°	1160.1	1157.4	1156.3	1158.5	1161.2	1150.8	1130.5	1121.8	1121.2	1121.2
47.5°	1252.2	1238.5	1241.2	1246.7	1253.3	1240.1	1214.4	1204.0	1202.3	1202.9
50°	1342.1	1327.8	1330.6	1342.1	1354.7	1333.9	1302.1	1289.5	1287.3	1288.4
52.5°	1435.2	1423.2	1423.2	1442.4	1458.8	1433.0	1393.0	1377.7	1377.7	1377.1
55°	1533.9	1517.4	1524.0	1548.7	1568.4	1537.2	1487.8	1475.8	1466.5	1470.3
57.5°	1632.0	1615.5	1621.0	1658.8	1683.5	1646.2	1584.3	1559.1	1553.6	1552.5
60°	1732.3	1713.6	1720.2	1779.4	1808.4	1759.1	1668.1	1637.5	1632.5	1632.0
62.5°	1843.5	1830.4	1840.2	1908.7	1942.1	1872.0	1757.5	1722.4	1724.0	1720.2
65°	1982.2	1971.7	1988.7	2072.6	2113.7	2010.6	1873.1	1832.5	1837.5	1836.9
67.5°	2180.5	2167.9	2178.3	2295.6	2332.3	2200.3	2033.7	1993.7	2001.3	2013.9
70°	2304.9	2314.2	2408.0	2572.4	2673.2	2538.4	2318.1	2243.0	2246.8	2248.5
72°	2227.1	2250.7	2389.9	2635.4	2837.6	2645.8	2346.0	2212.9	2193.1	2195.3
72.5°	2206.3	2224.4	2364.1	2609.1	2823.9	2622.8	2315.9	2189.8	2158.1	2159.2
75°	2049.6	2084.1	2218.3	2473.2	2703.3	2507.1	2199.7	2065.5	2040.8	2040.8
77.5°	1779.4	1827.6	1965.2	2323.0	2599.2	2385.5	2052.3	1886.3	1861.0	1851.7
80°	1309.2	1379.9	1515.2	1868.7	2166.8	1971.7	1689.5	1518.5	1479.1	1464.8
82.5°	515.7	576.5	803.9	1125.6	1428.1	1215.5	919.0	766.7	644.5	631.3
85°	64.1	103.6	202.8	371.0	567.2	403.3	240.6	126.0	68.0	57.0
87.5°	18.6	35.1	38.4	62.5	74.0	68.0	42.7	38.4	21.4	18.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)