

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: P177338

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177338
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
Description: VALET TUNNEL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9276.3 lumens
Efficiency: N/A
Efficacy: 123.4 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

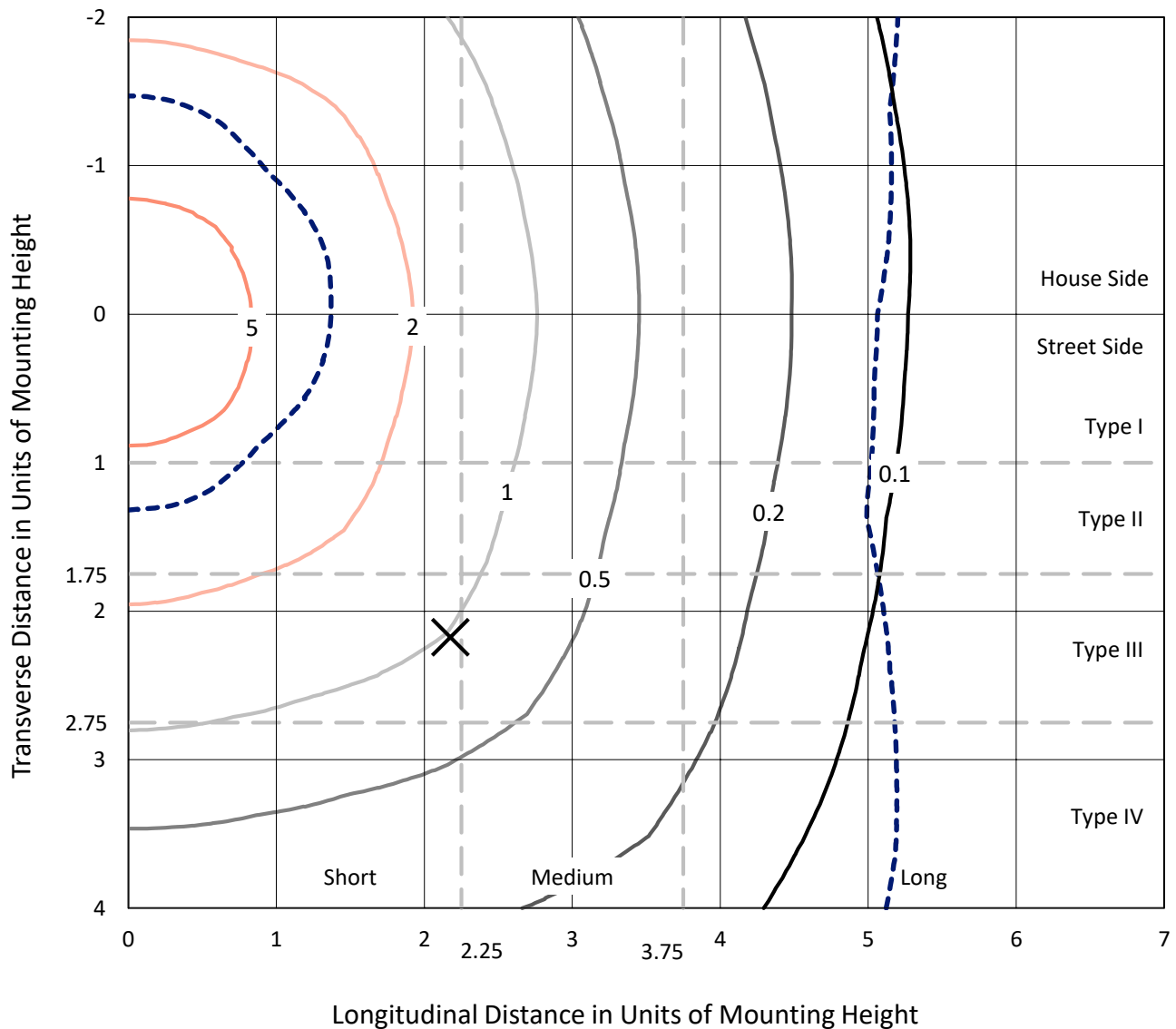


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

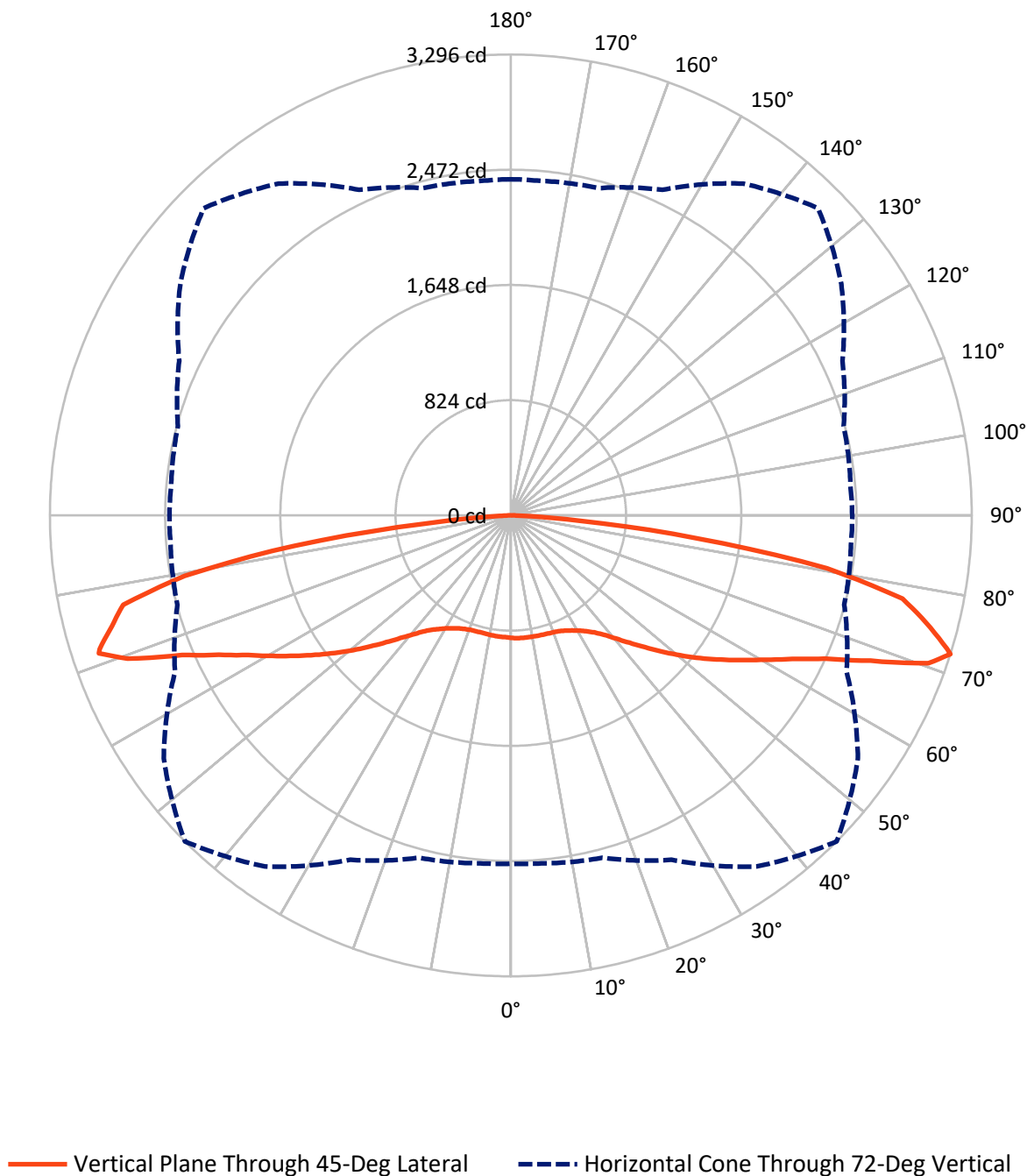


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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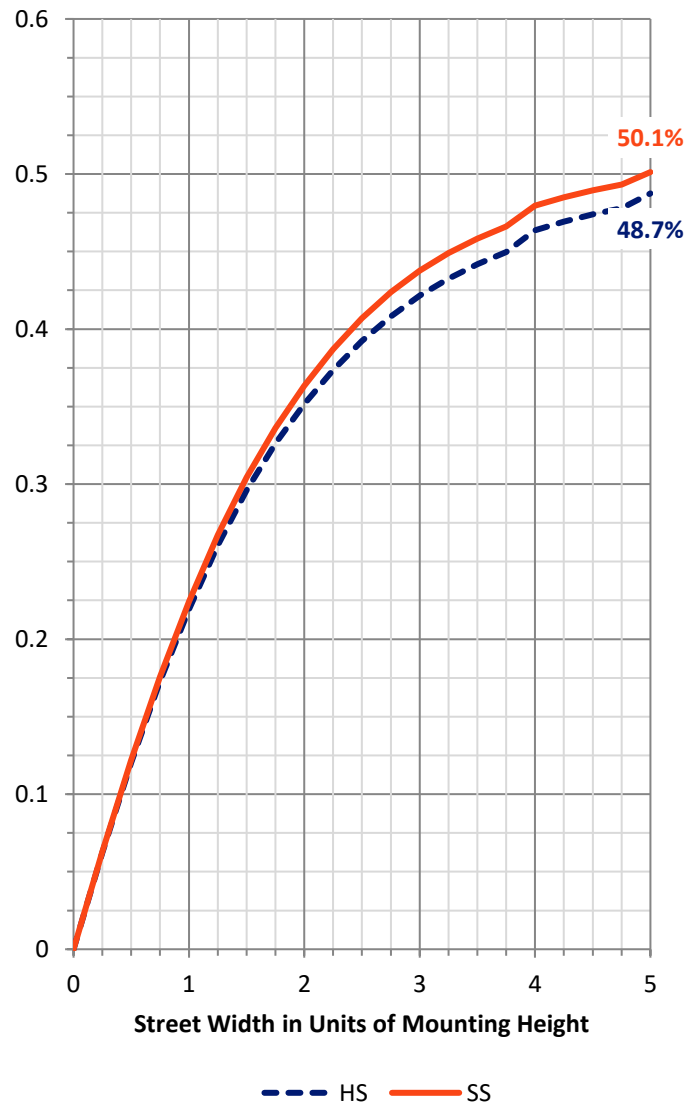
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4574.6	0.0	4574.6
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	4701.7	0.0	4701.7
	% Fixture	50.7	0.0	50.7
Total	Lumens	9276.3	0.0	9276.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	0.9
10°-20°	248.4	2.7
20°-30°	417.2	4.5
30°-40°	635.0	6.8
40°-50°	1003.8	10.8
50°-60°	1533.2	16.5
60°-70°	2246.1	24.2
70°-80°	2551.7	27.5
80°-90°	557.4	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°	9276.3	100.0
0°-180°	9276.3	100.0

Coefficient of Utilization



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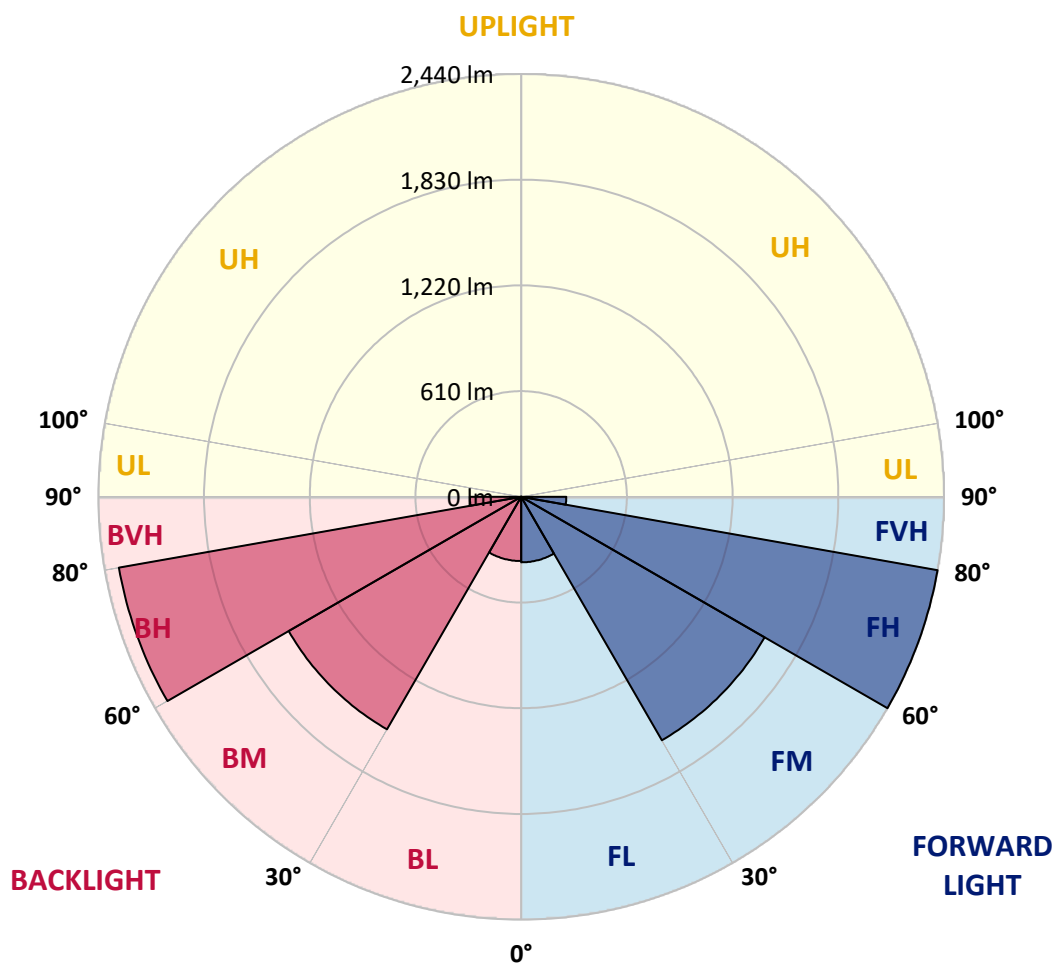
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	378.3	4.1			
FM	(30°-60°)	1622.4	17.5			
FH	(60°-80°)	2440.3	26.3			G2/5000
FVH	(80°-90°)	260.7	2.8			G3/500
BL	(0°-30°)	370.9	4.0	B1/500		
BM	(30°-60°)	1549.5	16.7	B2/2500		
BH	(60°-80°)	2357.5	25.4	B3/2500		G2/5000
BVH	(80°-90°)	296.7	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°	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0
2.5°	883.2	883.2	880.8	879.6	879.6	879.0	878.4	878.4	877.8	878.4	876.6
5°	884.4	884.4	882.0	880.8	880.2	879.6	879.6	878.4	877.8	878.4	876.6
7.5°	884.4	885.0	883.8	882.6	880.8	880.2	879.6	877.8	877.8	876.6	876.0
10°	886.8	888.6	886.2	884.4	882.0	880.8	879.0	877.8	877.2	876.0	876.0
12.5°	888.6	890.4	888.0	886.2	883.8	882.0	879.6	877.8	876.6	874.8	875.4
15°	891.0	892.8	890.4	888.0	885.6	883.2	880.8	878.4	876.6	875.4	875.4
17.5°	892.2	894.0	891.6	889.2	887.4	886.2	883.2	879.6	877.2	876.0	876.0
20°	894.0	895.8	894.0	892.8	891.0	890.4	887.4	883.2	880.2	878.4	877.8
22.5°	898.2	899.4	898.8	898.8	898.8	898.2	895.8	889.2	885.6	882.6	882.0
25°	908.4	907.8	909.0	910.2	910.8	912.0	908.4	901.2	896.4	891.6	891.0
27.5°	925.2	925.8	926.4	928.8	931.2	931.8	928.2	920.4	913.2	906.6	906.0
30°	944.4	944.4	946.8	951.6	954.0	955.8	952.2	942.6	933.6	927.0	925.8
32.5°	972.0	974.4	975.6	981.0	985.8	987.6	982.2	972.0	961.8	953.4	951.6
35°	1011.6	1015.2	1016.4	1021.2	1026.6	1027.2	1022.4	1011.0	1000.2	988.8	989.4
37.5°	1067.4	1068.0	1071.0	1072.2	1082.4	1082.4	1074.6	1064.4	1053.6	1043.4	1040.4
40°	1141.8	1142.4	1143.6	1141.8	1153.8	1157.4	1147.2	1131.6	1121.4	1108.2	1106.4
42.5°	1222.8	1228.8	1228.2	1225.2	1237.2	1245.0	1232.4	1214.4	1203.6	1189.8	1187.4
45°	1323.0	1321.8	1316.4	1323.0	1336.8	1345.2	1329.6	1306.8	1295.4	1278.0	1277.4
47.5°	1420.2	1419.0	1410.6	1415.4	1441.2	1455.0	1432.2	1406.4	1391.4	1381.2	1373.4
50°	1512.6	1521.0	1510.2	1520.4	1554.0	1572.6	1551.6	1510.8	1492.8	1477.2	1473.0
52.5°	1621.2	1626.0	1616.4	1632.6	1669.8	1696.8	1668.0	1615.2	1597.2	1579.8	1574.4
55°	1732.2	1729.8	1725.0	1743.0	1788.6	1820.4	1789.2	1725.6	1699.2	1686.0	1686.0
57.5°	1841.4	1842.6	1831.2	1852.8	1910.4	1952.4	1913.4	1835.4	1803.0	1788.0	1792.8
60°	1958.4	1958.4	1941.0	1960.8	2041.2	2094.6	2035.8	1946.4	1911.0	1902.0	1902.6
62.5°	2089.8	2085.0	2065.8	2090.4	2188.2	2259.0	2185.2	2073.6	2027.4	2027.4	2031.6
65°	2241.6	2233.8	2227.2	2255.4	2382.0	2468.4	2371.2	2230.2	2189.4	2184.6	2192.4
67.5°	2460.0	2468.4	2451.6	2488.8	2661.6	2774.4	2626.8	2445.0	2401.8	2397.6	2416.8
70°	2656.8	2648.4	2670.0	2775.0	3010.2	3167.4	2962.2	2682.6	2559.0	2533.8	2541.6
72°	2491.2	2497.8	2534.4	2716.8	3065.4	3296.4	3030.0	2649.6	2468.4	2442.0	2441.4
72.5°	2452.8	2457.6	2488.8	2664.0	3025.8	3262.2	2995.8	2607.6	2436.6	2413.8	2412.6
75°	2251.2	2260.8	2310.0	2480.4	2847.6	3070.2	2820.0	2457.0	2269.2	2226.0	2235.0
77.5°	1917.6	1937.4	1987.2	2183.4	2614.2	2863.2	2595.6	2178.0	1967.4	1935.6	1925.4
80°	1407.0	1380.6	1470.6	1644.6	1951.2	2293.8	1979.4	1641.0	1422.6	1364.4	1378.8
82.5°	478.8	490.2	632.4	844.2	1071.0	1339.2	1137.0	822.0	605.4	532.2	499.8
85°	58.2	63.0	98.4	179.4	337.2	487.2	344.4	182.4	113.4	69.6	61.2
87.5°	28.2	30.0	42.0	45.0	55.8	47.4	56.4	36.0	34.2	21.0	17.4
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°	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0	876.0
2.5°	876.0	874.8	874.2	873.0	871.8	871.8	871.8	871.8	871.8	872.4
5°	876.0	874.8	874.2	872.4	871.2	871.2	870.6	871.2	870.6	871.2
7.5°	876.0	874.2	872.4	870.6	869.4	870.0	868.8	868.2	868.8	868.8
10°	875.4	872.4	870.0	868.2	867.6	867.0	867.0	866.4	867.6	867.0
12.5°	874.8	871.2	868.2	865.8	865.2	865.2	865.2	865.2	867.0	866.4
15°	874.2	870.6	867.6	864.6	864.0	865.2	865.2	866.4	867.6	867.6
17.5°	874.8	870.6	867.0	864.6	864.6	865.8	866.4	868.2	870.0	868.8
20°	877.2	872.4	869.4	867.0	868.2	869.4	869.4	870.6	872.4	871.2
22.5°	880.8	877.2	874.8	874.2	876.0	876.6	876.0	875.4	876.0	874.8
25°	889.2	885.6	883.8	886.2	888.0	887.4	885.0	882.6	881.4	880.8
27.5°	904.8	901.8	901.2	904.2	906.0	903.0	898.8	895.2	894.0	892.2
30°	924.0	922.2	924.0	927.0	927.6	922.8	916.8	911.4	909.6	909.6
32.5°	949.2	947.4	951.6	956.4	957.6	951.0	941.4	934.2	929.4	928.8
35°	985.8	984.6	985.8	991.8	991.2	984.6	973.8	965.4	960.6	960.6
37.5°	1036.8	1035.6	1032.6	1038.6	1038.0	1029.0	1017.6	1010.4	1005.0	1005.6
40°	1103.4	1101.6	1098.0	1099.2	1104.0	1092.0	1077.6	1068.0	1067.4	1067.4
42.5°	1183.2	1174.8	1176.0	1183.2	1179.6	1165.2	1152.0	1143.6	1143.6	1143.0
45°	1270.2	1267.2	1266.0	1268.4	1271.4	1260.0	1237.8	1228.2	1227.6	1227.6
47.5°	1371.0	1356.0	1359.0	1365.0	1372.2	1357.8	1329.6	1318.2	1316.4	1317.0
50°	1469.4	1453.8	1456.8	1469.4	1483.2	1460.4	1425.6	1411.8	1409.4	1410.6
52.5°	1571.4	1558.2	1558.2	1579.2	1597.2	1569.0	1525.2	1508.4	1508.4	1507.8
55°	1679.4	1661.4	1668.6	1695.6	1717.2	1683.0	1629.0	1615.8	1605.6	1609.8
57.5°	1786.8	1768.8	1774.8	1816.2	1843.2	1802.4	1734.6	1707.0	1701.0	1699.8
60°	1896.6	1876.2	1883.4	1948.2	1980.0	1926.0	1826.4	1792.8	1787.4	1786.8
62.5°	2018.4	2004.0	2014.8	2089.8	2126.4	2049.6	1924.2	1885.8	1887.6	1883.4
65°	2170.2	2158.8	2177.4	2269.2	2314.2	2201.4	2050.8	2006.4	2011.8	2011.2
67.5°	2387.4	2373.6	2385.0	2513.4	2553.6	2409.0	2226.6	2182.8	2191.2	2205.0
70°	2523.6	2533.8	2636.4	2816.4	2926.8	2779.2	2538.0	2455.8	2460.0	2461.8
72°	2438.4	2464.2	2616.6	2885.4	3106.8	2896.8	2568.6	2422.8	2401.2	2403.6
72.5°	2415.6	2435.4	2588.4	2856.6	3091.8	2871.6	2535.6	2397.6	2362.8	2364.0
75°	2244.0	2281.8	2428.8	2707.8	2959.8	2745.0	2408.4	2261.4	2234.4	2234.4
77.5°	1948.2	2001.0	2151.6	2543.4	2845.8	2611.8	2247.0	2065.2	2037.6	2027.4
80°	1433.4	1510.8	1659.0	2046.0	2372.4	2158.8	1849.8	1662.6	1619.4	1603.8
82.5°	564.6	631.2	880.2	1232.4	1563.6	1330.8	1006.2	839.4	705.6	691.2
85°	70.2	113.4	222.0	406.2	621.0	441.6	263.4	138.0	74.4	62.4
87.5°	20.4	38.4	42.0	68.4	81.0	74.4	46.8	42.0	23.4	20.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)