

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: P177339

Luminaire Tested: **VAL-E03-LED-E-U-WQ-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177339
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-7050
Description: VALET TUNNEL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9518.5 lumens
Efficiency: N/A
Efficacy: 126.6 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



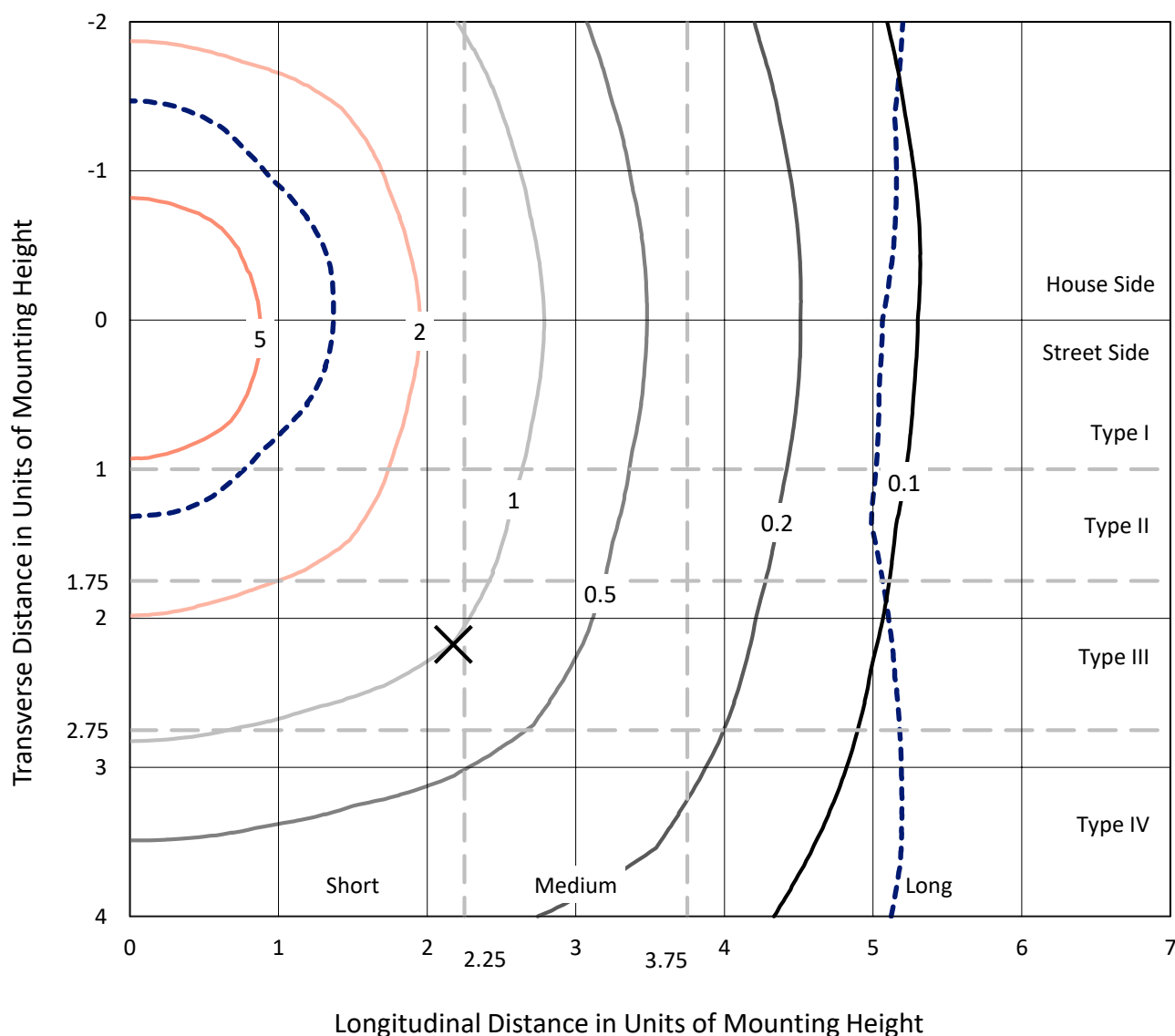
REPORT NUMBER: P177339

CATALOG NUMBER: VAL-E03-LED-E-U-WQ-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

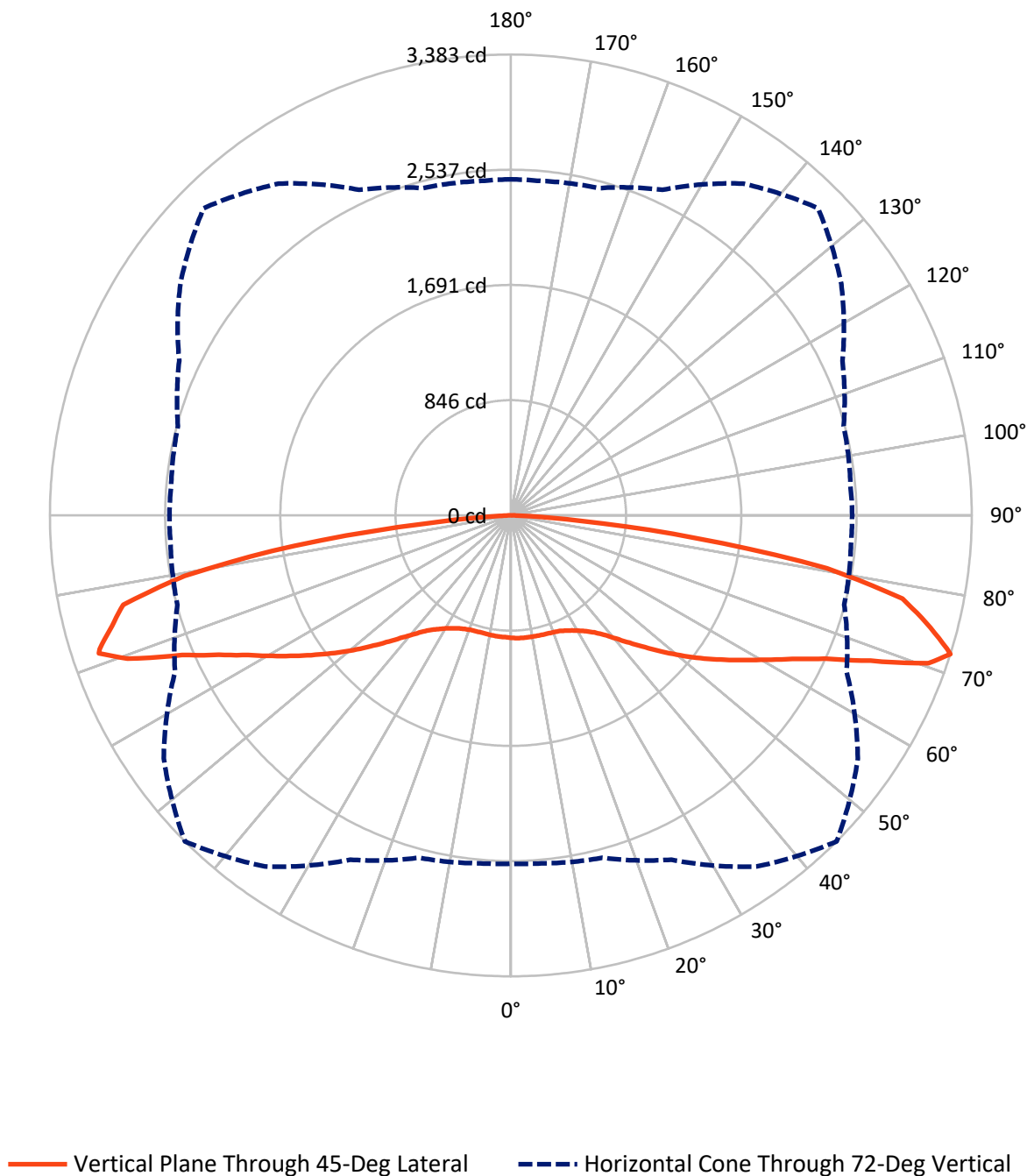


Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P177339

CATALOG NUMBER: VAL-E03-LED-E-U-WQ-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P177339

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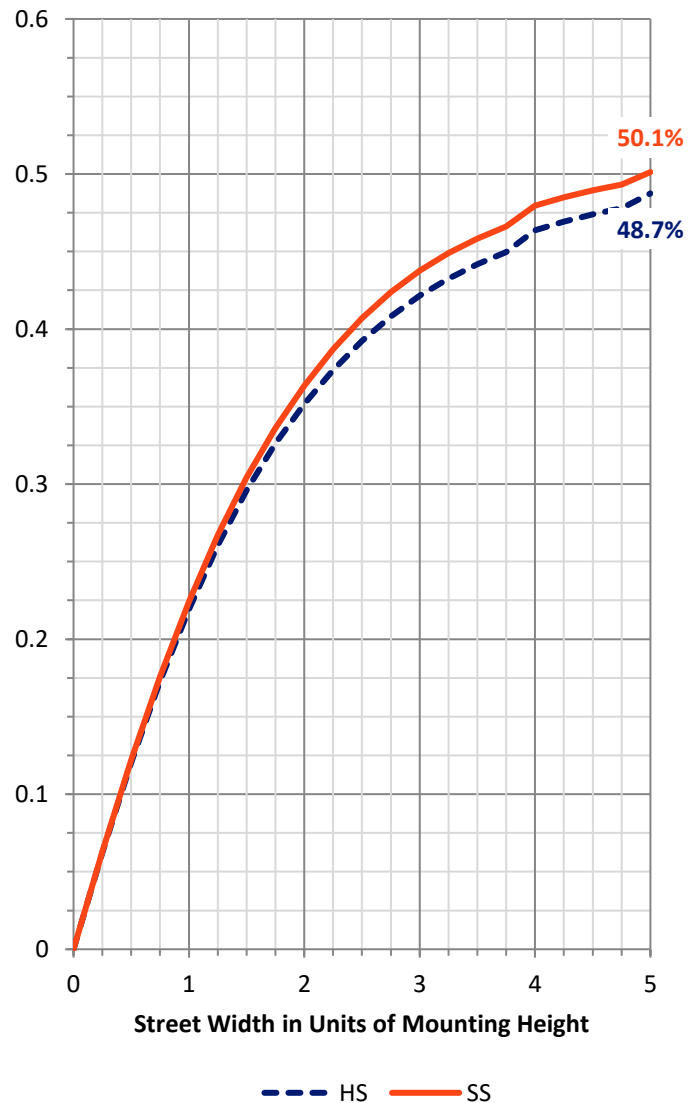
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4694.0	0.0	4694.0
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	4824.5	0.0	4824.5
	% Fixture	50.7	0.0	50.7
Total	Lumens	9518.5	0.0	9518.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.8	0.9
10°-20°	254.8	2.7
20°-30°	428.1	4.5
30°-40°	651.5	6.8
40°-50°	1030.0	10.8
50°-60°	1573.2	16.5
60°-70°	2304.7	24.2
70°-80°	2618.4	27.5
80°-90°	571.9	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°	9518.5	100.0
0°-180°	9518.5	100.0

Coefficient of Utilization



REPORT NUMBER: P177339

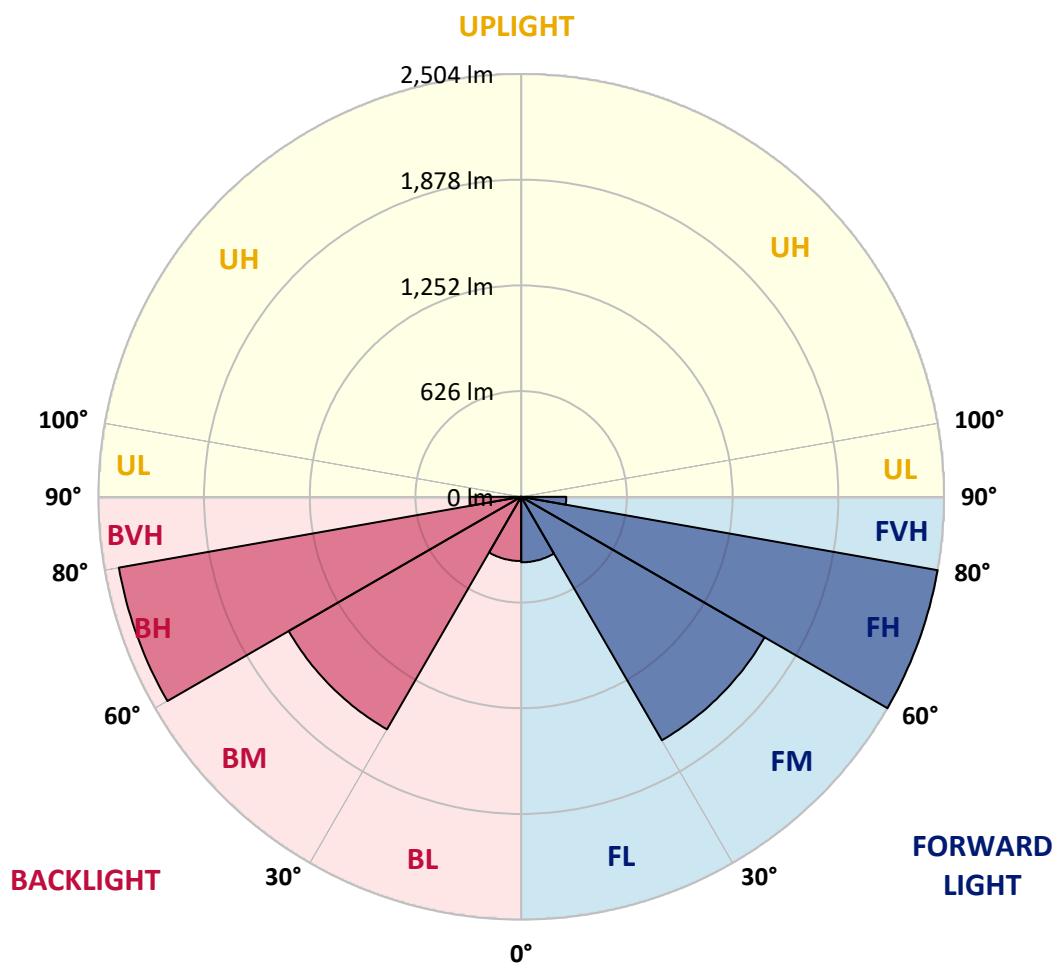
CATALOG NUMBER: VAL-E03-LED-E-U-WQ-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.2	4.1			
FM	(30°-60°)	1664.8	17.5			
FH	(60°-80°)	2504.0	26.3			G2/5000
FVH	(80°-90°)	267.5	2.8			G3/500
BL	(0°-30°)	380.5	4.0	B1/500		
BM	(30°-60°)	1590.0	16.7	B2/2500		
BH	(60°-80°)	2419.1	25.4	B3/2500		G2/5000
BVH	(80°-90°)	304.4	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





REPORT NUMBER: P177339

CATALOG NUMBER: VAL-E03-LED-E-U-WQ-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9
2.5°	906.3	906.3	903.8	902.6	902.6	901.9	901.3	901.3	900.7	901.3	899.5
5°	907.5	907.5	905.0	903.8	903.2	902.6	902.6	901.3	900.7	901.3	899.5
7.5°	907.5	908.1	906.9	905.6	903.8	903.2	902.6	900.7	900.7	899.5	898.9
10°	910.0	911.8	909.3	907.5	905.0	903.8	901.9	900.7	900.1	898.9	898.9
12.5°	911.8	913.6	911.2	909.3	906.9	905.0	902.6	900.7	899.5	897.6	898.3
15°	914.3	916.1	913.6	911.2	908.7	906.3	903.8	901.3	899.5	898.3	898.3
17.5°	915.5	917.3	914.9	912.4	910.6	909.3	906.3	902.6	900.1	898.9	898.9
20°	917.3	919.2	917.3	916.1	914.3	913.6	910.6	906.3	903.2	901.3	900.7
22.5°	921.6	922.9	922.3	922.3	922.3	921.6	919.2	912.4	908.7	905.6	905.0
25°	932.1	931.5	932.7	934.0	934.6	935.8	932.1	924.7	919.8	914.9	914.3
27.5°	949.4	950.0	950.6	953.0	955.5	956.1	952.4	944.4	937.0	930.3	929.7
30°	969.1	969.1	971.5	976.4	978.9	980.8	977.1	967.2	958.0	951.2	950.0
32.5°	997.4	999.8	1001.1	1006.6	1011.5	1013.4	1007.8	997.4	986.9	978.3	976.4
35°	1038.0	1041.7	1042.9	1047.9	1053.4	1054.0	1049.1	1037.4	1026.3	1014.6	1015.2
37.5°	1095.3	1095.9	1099.0	1100.2	1110.7	1110.7	1102.7	1092.2	1081.1	1070.6	1067.6
40°	1171.6	1172.2	1173.5	1171.6	1183.9	1187.6	1177.1	1161.1	1150.7	1137.1	1135.3
42.5°	1254.7	1260.9	1260.3	1257.2	1269.5	1277.5	1264.6	1246.1	1235.0	1220.9	1218.4
45°	1357.5	1356.3	1350.8	1357.5	1371.7	1380.3	1364.3	1340.9	1329.2	1311.4	1310.7
47.5°	1457.3	1456.0	1447.4	1452.3	1478.8	1493.0	1469.6	1443.1	1427.7	1417.3	1409.3
50°	1552.1	1560.7	1549.6	1560.1	1594.6	1613.7	1592.1	1550.2	1531.8	1515.8	1511.5
52.5°	1663.5	1668.4	1658.6	1675.2	1713.4	1741.1	1711.5	1657.4	1638.9	1621.0	1615.5
55°	1777.4	1775.0	1770.0	1788.5	1835.3	1867.9	1835.9	1770.6	1743.6	1730.0	1730.0
57.5°	1889.5	1890.7	1879.0	1901.2	1960.3	2003.4	1963.4	1883.3	1850.1	1834.7	1839.6
60°	2009.5	2009.5	1991.7	2012.0	2094.5	2149.3	2088.9	1997.2	1960.9	1951.7	1952.3
62.5°	2144.4	2139.4	2119.7	2145.0	2245.3	2318.0	2242.2	2127.7	2080.3	2080.3	2084.6
65°	2300.1	2292.1	2285.3	2314.3	2444.2	2532.8	2433.1	2288.4	2246.6	2241.6	2249.6
67.5°	2524.2	2532.8	2515.6	2553.8	2731.1	2846.8	2695.4	2508.8	2464.5	2460.2	2479.9
70°	2726.2	2717.5	2739.7	2847.4	3088.8	3250.1	3039.5	2752.6	2625.8	2599.9	2607.9
72°	2556.2	2563.0	2600.6	2787.7	3145.4	3382.5	3109.1	2718.8	2532.8	2505.7	2505.1
72.5°	2516.8	2521.8	2553.8	2733.5	3104.8	3347.4	3074.0	2675.7	2500.2	2476.8	2475.6
75°	2310.0	2319.8	2370.3	2545.2	2921.9	3150.3	2893.6	2521.1	2328.4	2284.1	2293.3
77.5°	1967.7	1988.0	2039.1	2240.4	2682.4	2937.9	2663.4	2234.9	2018.8	1986.1	1975.7
80°	1443.7	1416.6	1509.0	1687.5	2002.1	2353.7	2031.1	1683.8	1459.7	1400.0	1414.8
82.5°	491.3	503.0	648.9	866.2	1099.0	1374.2	1166.7	843.5	621.2	546.1	512.8
85°	59.7	64.6	101.0	184.1	346.0	499.9	353.4	187.2	116.4	71.4	62.8
87.5°	28.9	30.8	43.1	46.2	57.3	48.6	57.9	36.9	35.1	21.5	17.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P177339

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9	898.9
2.5°	898.9	897.6	897.0	895.8	894.6	894.6	894.6	894.6	894.6	895.2
5°	898.9	897.6	897.0	895.2	893.9	893.9	893.3	893.9	893.3	893.9
7.5°	898.9	897.0	895.2	893.3	892.1	892.7	891.5	890.9	891.5	891.5
10°	898.3	895.2	892.7	890.9	890.2	889.6	889.6	889.0	890.2	889.6
12.5°	897.6	893.9	890.9	888.4	887.8	887.8	887.8	887.8	889.6	889.0
15°	897.0	893.3	890.2	887.2	886.6	887.8	887.8	889.0	890.2	890.2
17.5°	897.6	893.3	889.6	887.2	887.2	888.4	889.0	890.9	892.7	891.5
20°	900.1	895.2	892.1	889.6	890.9	892.1	892.1	893.3	895.2	893.9
22.5°	903.8	900.1	897.6	897.0	898.9	899.5	898.9	898.3	898.9	897.6
25°	912.4	908.7	906.9	909.3	911.2	910.6	908.1	905.6	904.4	903.8
27.5°	928.4	925.3	924.7	927.8	929.7	926.6	922.3	918.6	917.3	915.5
30°	948.1	946.3	948.1	951.2	951.8	946.9	940.7	935.2	933.3	933.3
32.5°	974.0	972.1	976.4	981.4	982.6	975.8	966.0	958.6	953.7	953.0
35°	1011.5	1010.3	1011.5	1017.7	1017.1	1010.3	999.2	990.6	985.7	985.7
37.5°	1063.9	1062.6	1059.6	1065.7	1065.1	1055.9	1044.2	1036.8	1031.2	1031.9
40°	1132.2	1130.4	1126.7	1127.9	1132.8	1120.5	1105.7	1095.9	1095.3	1095.3
42.5°	1214.1	1205.5	1206.7	1214.1	1210.4	1195.6	1182.1	1173.5	1173.5	1172.8
45°	1303.4	1300.3	1299.0	1301.5	1304.6	1292.9	1270.1	1260.3	1259.6	1259.6
47.5°	1406.8	1391.4	1394.5	1400.6	1408.0	1393.2	1364.3	1352.6	1350.8	1351.4
50°	1507.8	1491.8	1494.8	1507.8	1521.9	1498.5	1462.8	1448.7	1446.2	1447.4
52.5°	1612.4	1598.9	1598.9	1620.4	1638.9	1610.0	1565.0	1547.8	1547.8	1547.2
55°	1723.2	1704.8	1712.2	1739.9	1762.0	1726.9	1671.5	1658.0	1647.5	1651.8
57.5°	1833.4	1815.0	1821.1	1863.6	1891.3	1849.5	1779.9	1751.6	1745.4	1744.2
60°	1946.1	1925.2	1932.6	1999.1	2031.7	1976.3	1874.1	1839.6	1834.1	1833.4
62.5°	2071.1	2056.3	2067.4	2144.4	2181.9	2103.1	1974.4	1935.0	1936.9	1932.6
65°	2226.9	2215.2	2234.2	2328.4	2374.6	2258.9	2104.3	2058.8	2064.3	2063.7
67.5°	2449.7	2435.6	2447.3	2579.0	2620.3	2471.9	2284.7	2239.8	2248.4	2262.6
70°	2589.5	2599.9	2705.2	2889.9	3003.2	2851.8	2604.3	2519.9	2524.2	2526.1
72°	2502.1	2528.5	2684.9	2960.7	3187.9	2972.4	2635.7	2486.0	2463.9	2466.3
72.5°	2478.7	2499.0	2656.0	2931.2	3172.5	2946.6	2601.8	2460.2	2424.5	2425.7
75°	2302.6	2341.4	2492.2	2778.5	3037.1	2816.7	2471.3	2320.4	2292.7	2292.7
77.5°	1999.1	2053.2	2207.8	2609.8	2920.1	2680.0	2305.7	2119.1	2090.8	2080.3
80°	1470.8	1550.2	1702.3	2099.4	2434.3	2215.2	1898.1	1706.0	1661.7	1645.7
82.5°	579.3	647.7	903.2	1264.6	1604.4	1365.5	1032.5	861.3	724.0	709.2
85°	72.0	116.4	227.8	416.8	637.2	453.1	270.3	141.6	76.3	64.0
87.5°	20.9	39.4	43.1	70.2	83.1	76.3	48.0	43.1	24.0	20.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)