

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: P177343

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P177343
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
Description: VALET TUNNEL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - WIDE TYPE V SQUARE
Light Source: (21) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7657.8 lumens
Efficiency: N/A
Efficacy: 97.8 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): 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



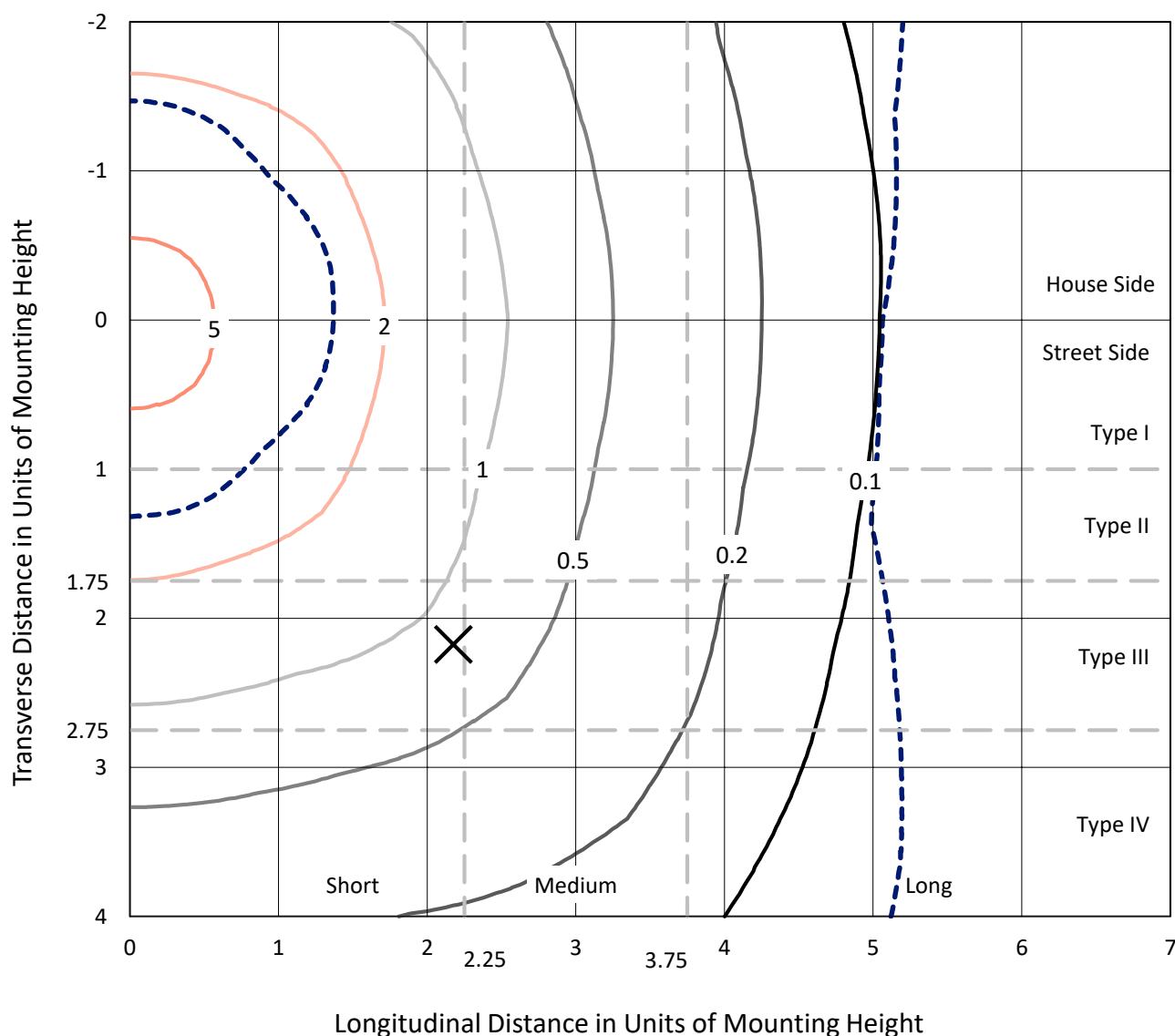
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

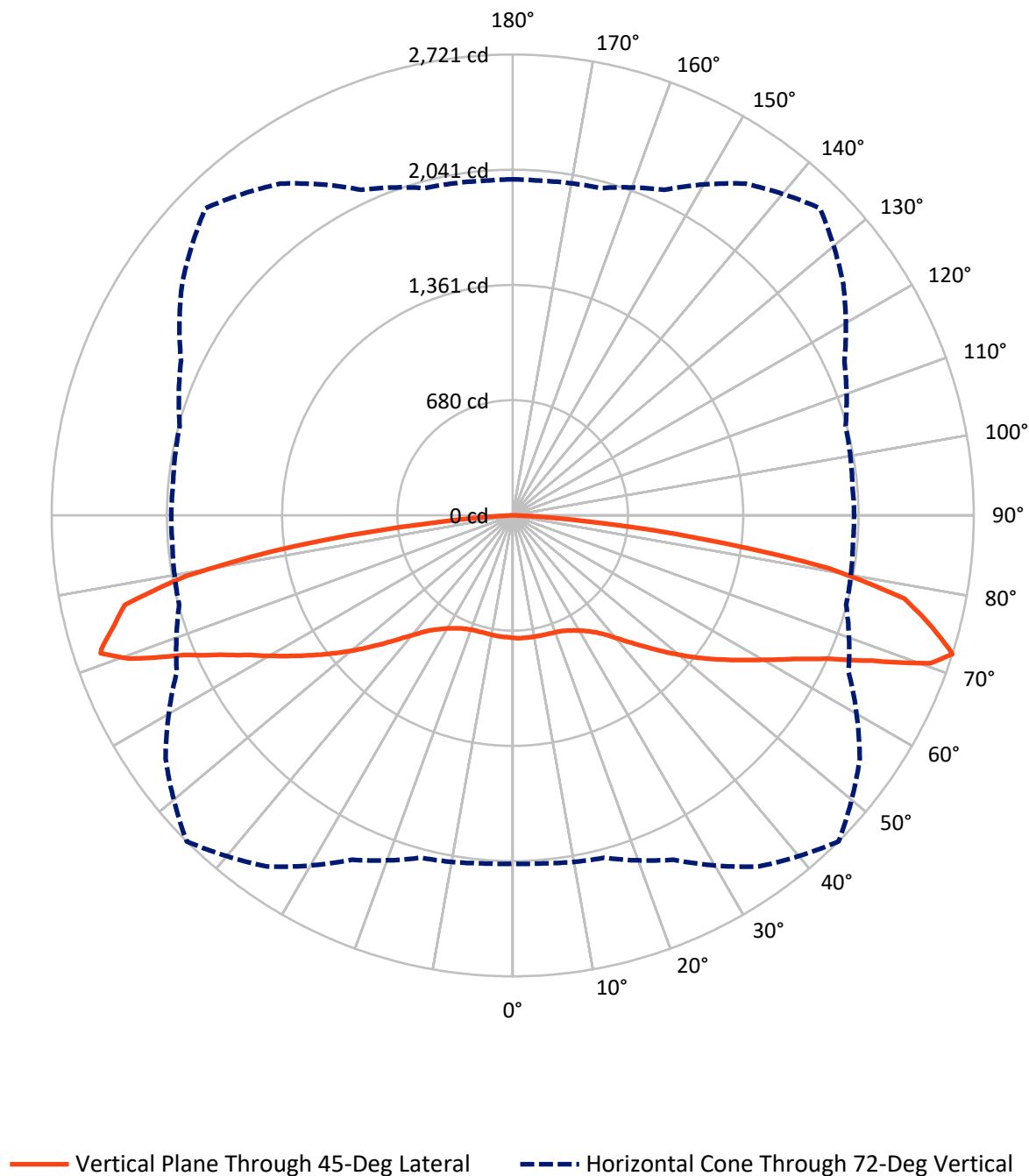


Based on 10 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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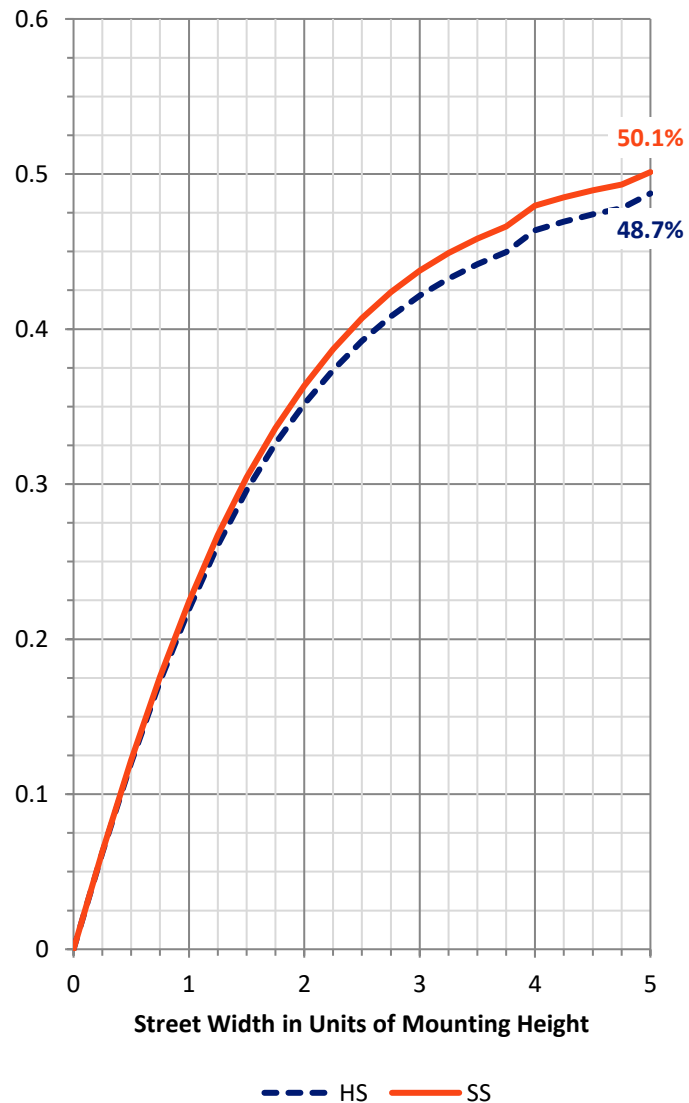
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3776.4	0.0	3776.4
	% Fixture	49.3	0.0	49.3
Street Side	Lumens	3881.4	0.0	3881.4
	% Fixture	50.7	0.0	50.7
Total	Lumens	7657.8	0.0	7657.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	0.9
10°-20°	205.0	2.7
20°-30°	344.4	4.5
30°-40°	524.2	6.8
40°-50°	828.7	10.8
50°-60°	1265.7	16.5
60°-70°	1854.2	24.2
70°-80°	2106.5	27.5
80°-90°	460.1	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°	7657.8	100.0
0°-180°	7657.8	100.0

Coefficient of Utilization



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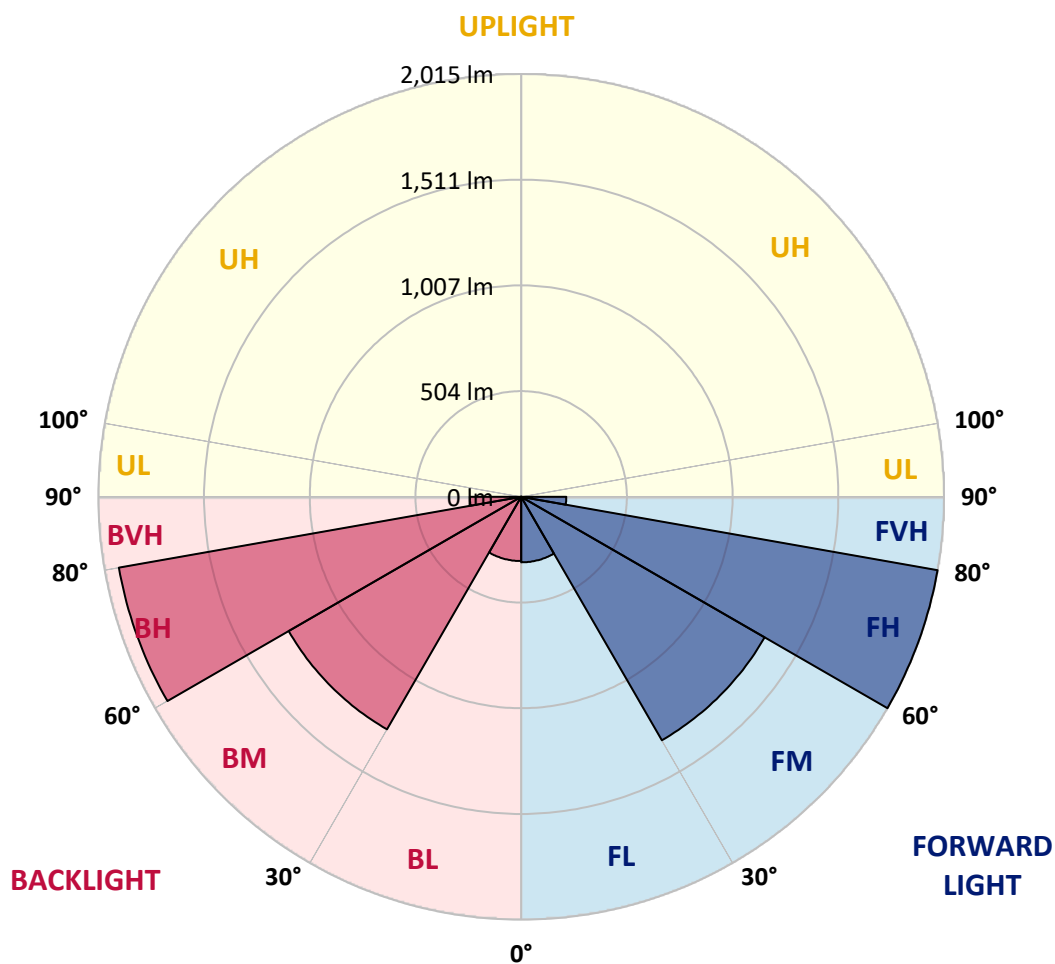
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	312.3	4.1			
FM	(30°-60°)	1339.3	17.5			
FH	(60°-80°)	2014.6	26.3			G2/5000
FVH	(80°-90°)	215.2	2.8			G2/225
BL	(0°-30°)	306.2	4.0	B1/500		
BM	(30°-60°)	1279.2	16.7	B2/2500		
BH	(60°-80°)	1946.2	25.4	B3/2500		G2/5000
BVH	(80°-90°)	244.9	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°	723.2	723.2	723.2	723.2	723.2	723.2	723.2	723.2	723.2	723.2	723.2
2.5°	729.1	729.1	727.1	726.1	726.1	725.6	725.1	725.1	724.6	725.1	723.7
5°	730.1	730.1	728.1	727.1	726.6	726.1	726.1	725.1	724.6	725.1	723.7
7.5°	730.1	730.6	729.6	728.6	727.1	726.6	726.1	724.6	724.6	723.7	723.2
10°	732.1	733.6	731.6	730.1	728.1	727.1	725.6	724.6	724.2	723.2	723.2
12.5°	733.6	735.0	733.1	731.6	729.6	728.1	726.1	724.6	723.7	722.2	722.7
15°	735.5	737.0	735.0	733.1	731.1	729.1	727.1	725.1	723.7	722.7	722.7
17.5°	736.5	738.0	736.0	734.1	732.6	731.6	729.1	726.1	724.2	723.2	723.2
20°	738.0	739.5	738.0	737.0	735.5	735.0	732.6	729.1	726.6	725.1	724.6
22.5°	741.5	742.5	742.0	742.0	742.0	741.5	739.5	734.1	731.1	728.6	728.1
25°	749.9	749.4	750.4	751.4	751.9	752.9	749.9	744.0	740.0	736.0	735.5
27.5°	763.8	764.3	764.8	766.7	768.7	769.2	766.3	759.8	753.9	748.4	747.9
30°	779.6	779.6	781.6	785.6	787.6	789.0	786.1	778.1	770.7	765.3	764.3
32.5°	802.4	804.4	805.4	809.8	813.8	815.3	810.8	802.4	794.0	787.1	785.6
35°	835.1	838.1	839.1	843.0	847.5	848.0	844.0	834.6	825.7	816.3	816.8
37.5°	881.2	881.7	884.1	885.1	893.5	893.5	887.1	878.7	869.8	861.4	858.9
40°	942.6	943.1	944.1	942.6	952.5	955.5	947.0	934.2	925.7	914.8	913.4
42.5°	1009.5	1014.4	1013.9	1011.4	1021.3	1027.8	1017.4	1002.5	993.6	982.2	980.2
45°	1092.2	1091.2	1086.7	1092.2	1103.6	1110.5	1097.6	1078.8	1069.4	1055.0	1054.5
47.5°	1172.4	1171.4	1164.5	1168.4	1189.7	1201.1	1182.3	1161.0	1148.6	1140.2	1133.8
50°	1248.7	1255.6	1246.7	1255.1	1282.9	1298.2	1280.9	1247.2	1232.3	1219.5	1216.0
52.5°	1338.3	1342.3	1334.4	1347.8	1378.5	1400.8	1377.0	1333.4	1318.5	1304.2	1299.7
55°	1430.0	1428.0	1424.0	1438.9	1476.5	1502.8	1477.0	1424.5	1402.7	1391.8	1391.8
57.5°	1520.1	1521.1	1511.7	1529.5	1577.1	1611.8	1579.6	1515.2	1488.4	1476.0	1480.0
60°	1616.7	1616.7	1602.3	1618.7	1685.1	1729.1	1680.6	1606.8	1577.6	1570.1	1570.6
62.5°	1725.2	1721.2	1705.4	1725.7	1806.4	1864.9	1803.9	1711.8	1673.7	1673.7	1677.1
65°	1850.5	1844.1	1838.6	1861.9	1966.4	2037.7	1957.5	1841.1	1807.4	1803.4	1809.9
67.5°	2030.8	2037.7	2023.9	2054.6	2197.2	2290.3	2168.5	2018.4	1982.7	1979.3	1995.1
70°	2193.3	2186.3	2204.2	2290.8	2485.0	2614.8	2445.4	2214.6	2112.5	2091.7	2098.2
72°	2056.5	2062.0	2092.2	2242.8	2530.6	2721.3	2501.3	2187.3	2037.7	2015.9	2015.4
72.5°	2024.8	2028.8	2054.6	2199.2	2497.9	2693.0	2473.1	2152.6	2011.5	1992.7	1991.7
75°	1858.4	1866.3	1907.0	2047.6	2350.8	2534.5	2328.0	2028.3	1873.3	1837.6	1845.0
77.5°	1583.0	1599.4	1640.5	1802.5	2158.1	2363.6	2142.7	1798.0	1624.1	1597.9	1589.5
80°	1161.5	1139.7	1214.0	1357.7	1610.8	1893.6	1634.0	1354.7	1174.4	1126.3	1138.2
82.5°	395.3	404.7	522.1	696.9	884.1	1105.5	938.6	678.6	499.8	439.3	412.6
85°	48.0	52.0	81.2	148.1	278.4	402.2	284.3	150.6	93.6	57.5	50.5
87.5°	23.3	24.8	34.7	37.1	46.1	39.1	46.6	29.7	28.2	17.3	14.4
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°	723.2	723.2	723.2	723.2	723.2	723.2	723.2	723.2	723.2	723.2
2.5°	723.2	722.2	721.7	720.7	719.7	719.7	719.7	719.7	719.7	720.2
5°	723.2	722.2	721.7	720.2	719.2	719.2	718.7	719.2	718.7	719.2
7.5°	723.2	721.7	720.2	718.7	717.7	718.2	717.2	716.7	717.2	717.2
10°	722.7	720.2	718.2	716.7	716.2	715.7	715.7	715.2	716.2	715.7
12.5°	722.2	719.2	716.7	714.7	714.2	714.2	714.2	714.2	715.7	715.2
15°	721.7	718.7	716.2	713.7	713.3	714.2	714.2	715.2	716.2	716.2
17.5°	722.2	718.7	715.7	713.7	713.7	714.7	715.2	716.7	718.2	717.2
20°	724.2	720.2	717.7	715.7	716.7	717.7	717.7	718.7	720.2	719.2
22.5°	727.1	724.2	722.2	721.7	723.2	723.7	723.2	722.7	723.2	722.2
25°	734.1	731.1	729.6	731.6	733.1	732.6	730.6	728.6	727.6	727.1
27.5°	746.9	744.5	744.0	746.4	747.9	745.4	742.0	739.0	738.0	736.5
30°	762.8	761.3	762.8	765.3	765.8	761.8	756.8	752.4	750.9	750.9
32.5°	783.6	782.1	785.6	789.5	790.5	785.1	777.1	771.2	767.2	766.7
35°	813.8	812.8	813.8	818.8	818.3	812.8	803.9	797.0	793.0	793.0
37.5°	855.9	854.9	852.4	857.4	856.9	849.5	840.1	834.1	829.7	830.1
40°	910.9	909.4	906.4	907.4	911.4	901.5	889.6	881.7	881.2	881.2
42.5°	976.8	969.8	970.8	976.8	973.8	961.9	951.0	944.1	944.1	943.6
45°	1048.6	1046.1	1045.1	1047.1	1049.6	1040.2	1021.8	1013.9	1013.4	1013.4
47.5°	1131.8	1119.4	1121.9	1126.8	1132.8	1120.9	1097.6	1088.2	1086.7	1087.2
50°	1213.0	1200.1	1202.6	1213.0	1224.4	1205.6	1176.9	1165.5	1163.5	1164.5
52.5°	1297.2	1286.3	1286.3	1303.7	1318.5	1295.2	1259.1	1245.2	1245.2	1244.7
55°	1386.4	1371.5	1377.5	1399.8	1417.6	1389.4	1344.8	1333.9	1325.5	1328.9
57.5°	1475.0	1460.2	1465.1	1499.3	1521.6	1487.9	1432.0	1409.2	1404.2	1403.2
60°	1565.7	1548.8	1554.8	1608.3	1634.5	1590.0	1507.7	1480.0	1475.5	1475.0
62.5°	1666.2	1654.4	1663.3	1725.2	1755.4	1692.0	1588.5	1556.8	1558.3	1554.8
65°	1791.6	1782.1	1797.5	1873.3	1910.4	1817.3	1693.0	1656.3	1660.8	1660.3
67.5°	1970.9	1959.5	1968.9	2074.9	2108.1	1988.7	1838.1	1802.0	1808.9	1820.3
70°	2083.3	2091.7	2176.4	2325.0	2416.1	2294.3	2095.2	2027.3	2030.8	2032.3
72°	2013.0	2034.3	2160.1	2382.0	2564.7	2391.4	2120.4	2000.1	1982.3	1984.2
72.5°	1994.1	2010.5	2136.8	2358.2	2552.4	2370.6	2093.2	1979.3	1950.6	1951.5
75°	1852.5	1883.7	2005.0	2235.4	2443.4	2266.1	1988.2	1866.8	1844.6	1844.6
77.5°	1608.3	1651.9	1776.2	2099.6	2349.3	2156.1	1855.0	1704.9	1682.1	1673.7
80°	1183.3	1247.2	1369.5	1689.0	1958.5	1782.1	1527.1	1372.5	1336.9	1324.0
82.5°	466.1	521.1	726.6	1017.4	1290.8	1098.6	830.6	692.9	582.5	570.6
85°	58.0	93.6	183.3	335.3	512.7	364.6	217.4	113.9	61.4	51.5
87.5°	16.8	31.7	34.7	56.5	66.9	61.4	38.6	34.7	19.3	16.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)