

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: P148618

Luminaire Tested: **AVS-E03-LED-E-U-5XQ-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P148618
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33676)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-5XQ-8030
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 5 SQUARE EXTRA WIDE
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8052.6 lumens
Efficiency: N/A
Efficacy: 107.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
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



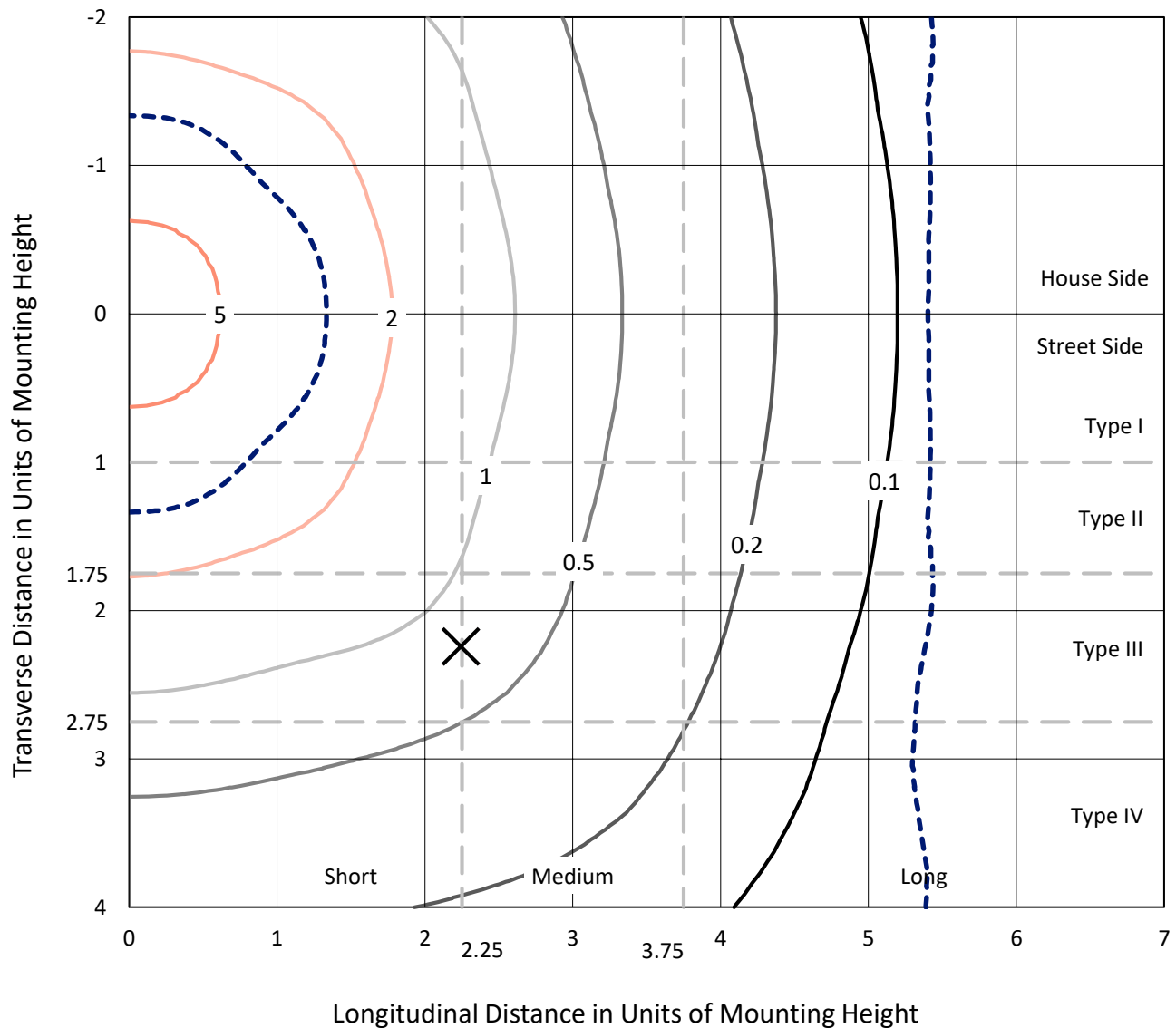
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Iso-Footcandle Lines of Horizontal Illumination

✗ Max cd

--- 1/2 Max cd

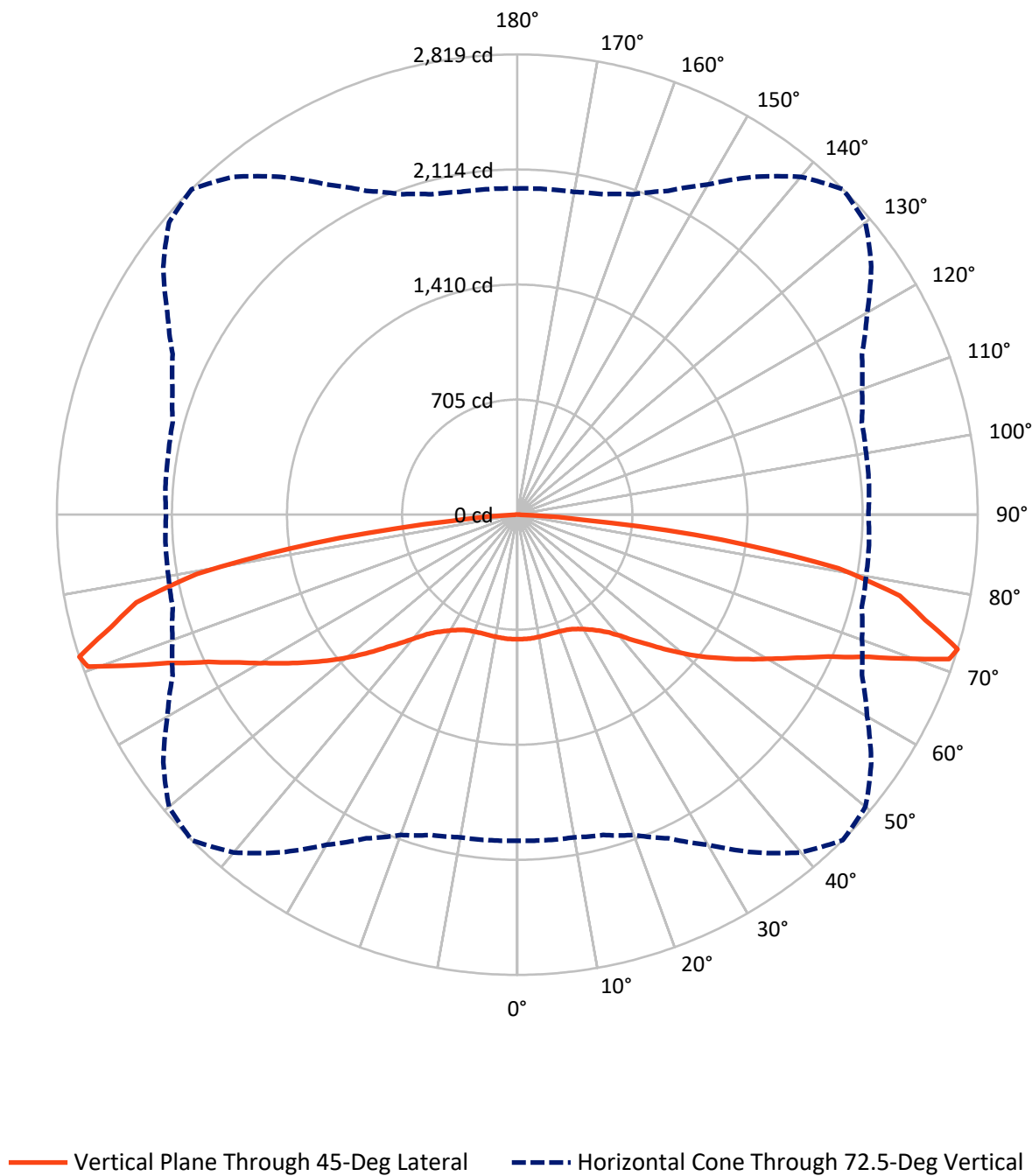


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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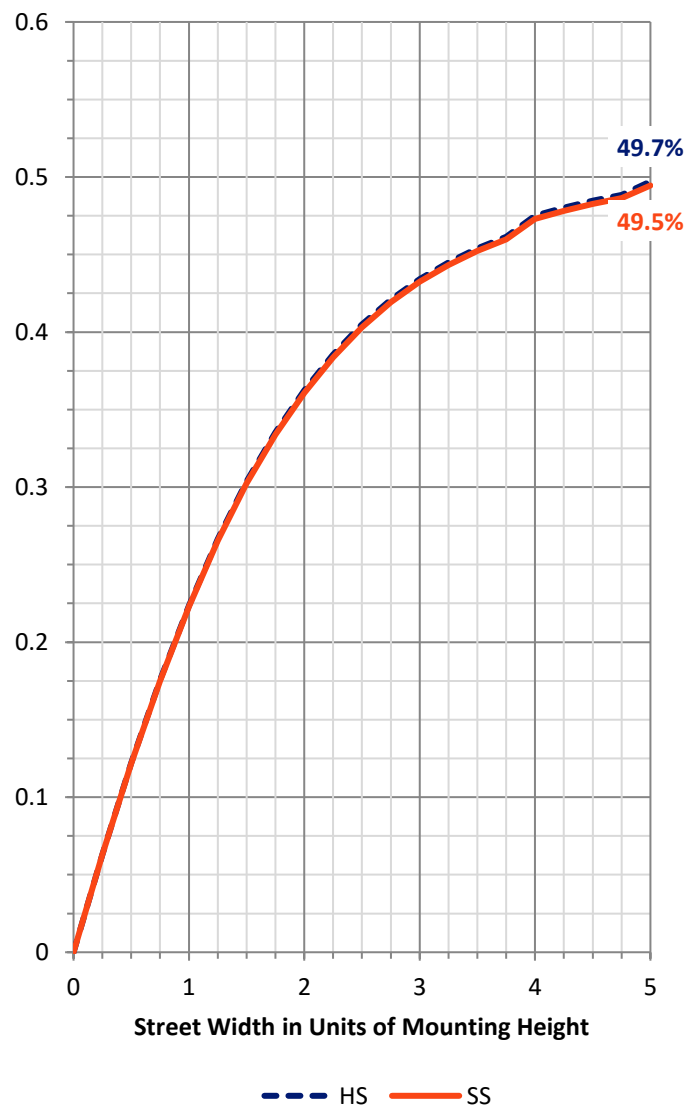
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4026.3	0.0	4026.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4026.3	0.0	4026.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8052.6	0.0	8052.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	0.9
10°-20°	215.1	2.7
20°-30°	360.2	4.5
30°-40°	549.1	6.8
40°-50°	876.8	10.9
50°-60°	1348.1	16.7
60°-70°	1962.9	24.4
70°-80°	2211.2	27.5
80°-90°	456.5	5.7
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°	8052.6	100.0
0°-180°	8052.6	100.0

Coefficient of Utilization



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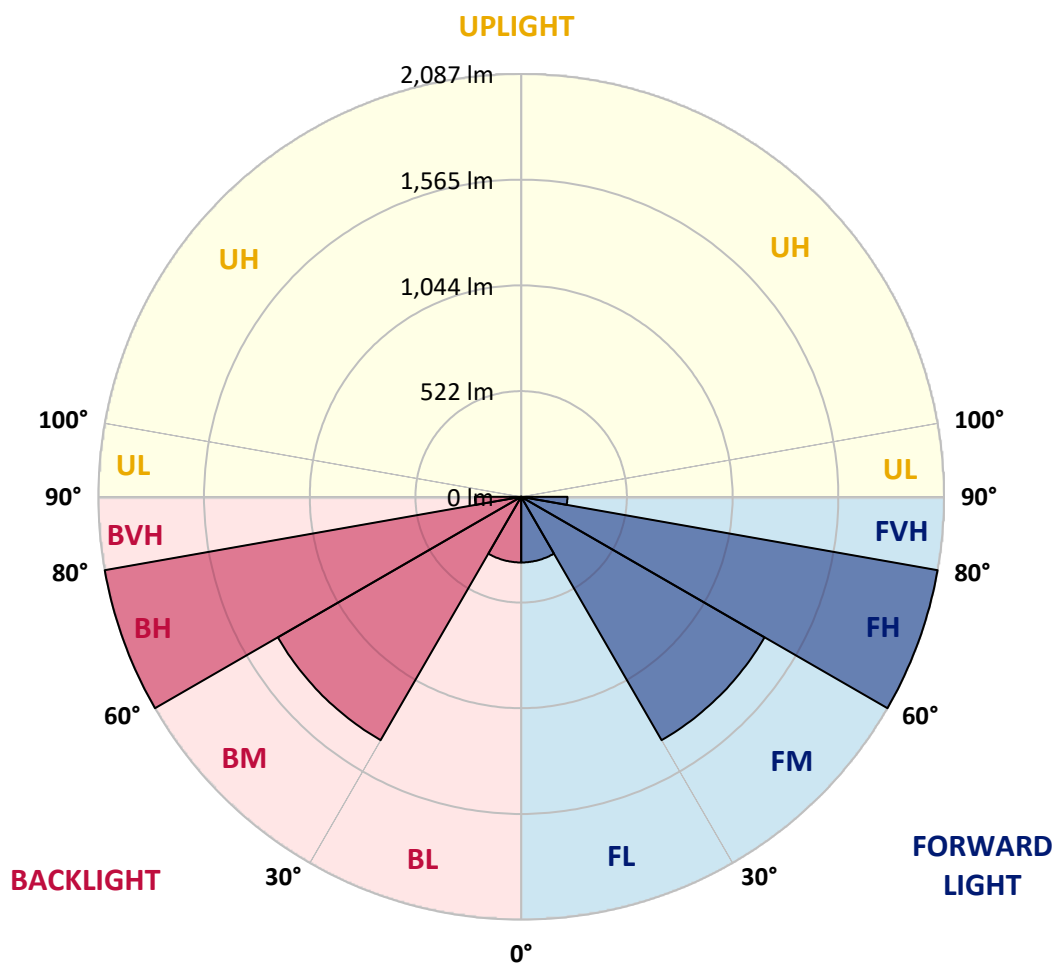
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	324.0	4.0			
FM	(30°-60°)	1387.0	17.2			
FH	(60°-80°)	2087.1	25.9			G2/5000
FVH	(80°-90°)	228.2	2.8			G3/500
BL	(0°-30°)	324.0	4.0	B1/500		
BM	(30°-60°)	1387.0	17.2	B2/2500		
BH	(60°-80°)	2087.1	25.9	B3/2500		G2/5000
BVH	(80°-90°)	228.2	2.8			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°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0
2.5°	764.2	764.7	764.5	764.0	764.2	764.0	763.5	763.4	761.9	762.7	764.0
5°	764.2	763.8	763.6	763.4	763.4	764.0	763.4	762.8	762.6	763.0	762.3
7.5°	763.8	763.0	762.6	762.3	762.6	762.7	762.1	761.2	761.9	761.3	760.4
10°	762.5	761.9	762.1	761.3	761.5	761.3	760.4	759.8	760.2	759.6	758.5
12.5°	762.9	761.9	761.7	761.3	761.0	760.8	759.8	758.8	759.0	758.5	757.5
15°	762.9	762.4	762.1	761.3	761.0	760.6	759.4	759.0	759.0	758.3	757.1
17.5°	763.4	763.0	763.0	761.9	761.5	761.3	759.8	759.2	759.8	758.5	757.7
20°	764.7	764.2	764.5	763.8	763.0	763.0	761.9	761.5	761.7	761.5	759.2
22.5°	767.3	767.2	767.6	767.4	767.2	767.4	766.5	766.5	766.7	766.8	764.9
25°	774.3	774.1	774.6	774.5	774.8	776.3	775.6	775.4	776.5	776.5	774.6
27.5°	787.9	787.5	787.9	788.3	789.3	791.3	790.9	791.5	793.2	792.7	791.0
30°	803.5	803.0	804.1	805.4	806.2	809.2	807.9	811.1	812.5	813.8	812.5
32.5°	826.3	826.2	828.2	829.0	830.9	833.9	834.3	836.9	838.7	840.8	839.4
35°	856.7	856.3	857.7	859.2	861.6	864.2	865.3	868.7	871.6	873.2	870.4
37.5°	903.0	900.8	903.5	904.4	906.2	906.8	909.8	914.0	917.2	916.8	914.8
40°	966.0	965.5	964.5	963.2	966.2	967.3	967.3	972.8	978.0	977.1	976.9
42.5°	1039.4	1037.5	1036.3	1036.3	1037.9	1038.3	1044.9	1049.1	1052.6	1053.5	1052.6
45°	1118.3	1116.4	1116.8	1116.0	1116.6	1119.4	1123.1	1131.0	1137.6	1137.9	1134.3
47.5°	1203.1	1197.2	1201.9	1195.3	1199.4	1201.5	1210.9	1222.3	1234.1	1236.3	1233.1
50°	1289.2	1288.6	1288.1	1286.8	1288.7	1293.5	1305.1	1322.9	1334.3	1342.0	1336.9
52.5°	1383.3	1380.1	1378.7	1376.6	1378.4	1387.6	1403.7	1419.4	1439.9	1448.5	1441.6
55°	1474.9	1473.8	1468.3	1468.1	1472.1	1486.2	1504.0	1523.2	1545.3	1555.0	1552.5
57.5°	1568.9	1562.8	1561.1	1558.7	1566.6	1580.0	1601.7	1636.3	1659.3	1670.3	1663.9
60°	1660.9	1656.4	1652.7	1651.9	1657.4	1676.0	1707.2	1748.7	1777.2	1791.6	1781.5
62.5°	1759.8	1756.8	1752.5	1747.7	1759.3	1783.2	1822.0	1868.0	1909.9	1927.7	1912.3
65°	1882.5	1876.4	1871.7	1865.7	1875.1	1905.1	1953.9	2018.7	2074.9	2095.6	2084.7
67.5°	2012.0	2006.4	2006.7	2003.0	2019.9	2061.5	2124.4	2212.3	2287.9	2323.1	2302.4
70°	2125.2	2128.3	2129.1	2144.6	2173.7	2237.0	2341.7	2479.4	2594.0	2647.9	2625.7
71°	2091.8	2098.8	2109.6	2125.6	2175.8	2250.8	2393.6	2560.4	2697.2	2788.4	2757.7
72.5°	1997.3	2001.6	2007.0	2031.5	2088.3	2187.5	2334.5	2525.2	2700.9	2819.0	2783.5
75°	1860.5	1864.6	1866.5	1883.5	1935.2	2021.8	2156.4	2325.6	2480.7	2581.1	2571.2
77.5°	1654.3	1654.8	1669.6	1696.0	1754.0	1853.0	1994.8	2170.4	2316.1	2394.2	2344.6
80°	1188.0	1179.9	1195.0	1229.0	1300.8	1414.3	1559.5	1759.9	1921.8	1994.8	1917.9
82.5°	452.0	476.5	515.0	571.2	595.4	721.7	857.1	974.8	1111.1	1263.4	1225.3
85°	48.5	54.6	68.6	85.1	107.4	148.5	205.3	280.2	345.4	406.0	360.4
87.5°	18.1	18.5	20.6	23.8	24.2	25.3	27.0	31.4	29.3	25.3	20.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°
0°	763.0	763.0	763.0	763.0	763.0	763.0	763.0	763.0
2.5°	763.0	763.2	763.0	763.1	763.1	762.4	762.5	762.1
5°	762.8	762.1	762.4	762.6	762.4	762.7	762.1	762.5
7.5°	761.7	760.4	760.8	760.8	760.4	761.0	760.6	760.4
10°	759.6	757.9	758.8	758.3	758.1	758.3	758.3	758.3
12.5°	757.7	756.7	756.9	756.7	756.4	757.1	756.9	757.1
15°	757.2	755.5	755.3	754.9	755.1	755.5	755.5	756.3
17.5°	756.9	754.7	754.5	754.1	754.3	755.1	755.3	754.9
20°	758.1	756.5	756.1	755.5	755.3	756.5	756.3	756.3
22.5°	764.0	761.9	761.7	760.0	759.4	760.0	759.6	759.6
25°	773.5	771.0	770.2	767.9	766.1	766.1	765.5	765.1
27.5°	790.6	786.8	785.9	784.0	781.8	782.2	780.9	780.7
30°	810.5	807.0	804.1	801.3	798.7	797.5	796.1	796.0
32.5°	836.4	832.5	829.0	825.6	821.9	820.4	817.8	816.6
35°	868.3	863.2	859.0	856.7	852.8	851.0	849.2	851.2
37.5°	912.7	906.6	904.6	901.8	899.3	896.4	897.0	896.4
40°	974.4	968.9	966.8	962.0	961.2	957.9	960.0	957.9
42.5°	1050.6	1040.4	1039.0	1035.1	1033.9	1032.0	1032.8	1031.3
45°	1133.5	1124.4	1122.7	1116.6	1116.9	1112.4	1114.1	1114.0
47.5°	1226.7	1217.2	1209.4	1205.0	1203.3	1200.6	1202.1	1201.9
50°	1323.0	1310.1	1301.5	1292.7	1289.0	1290.1	1287.2	1292.2
52.5°	1426.3	1407.2	1394.9	1386.7	1379.5	1380.9	1381.3	1382.8
55°	1533.3	1508.8	1491.1	1480.3	1473.9	1474.2	1476.2	1477.8
57.5°	1640.9	1610.4	1586.3	1570.3	1566.0	1567.9	1568.0	1567.8
60°	1752.5	1715.8	1684.9	1666.6	1662.9	1661.8	1670.1	1667.4
62.5°	1872.4	1828.3	1796.3	1773.1	1767.6	1771.3	1778.7	1777.0
65°	2031.3	1970.3	1928.9	1905.9	1896.7	1900.5	1910.4	1909.9
67.5°	2236.2	2150.9	2096.3	2066.7	2060.0	2064.7	2070.1	2075.4
70°	2542.6	2420.7	2342.7	2278.8	2251.3	2246.0	2251.5	2251.8
71°	2650.4	2510.5	2386.1	2308.1	2263.2	2244.1	2245.7	2236.2
72.5°	2645.9	2473.6	2328.2	2246.5	2184.0	2168.8	2161.5	2150.1
75°	2467.6	2312.3	2186.1	2097.1	2037.0	2019.1	2006.0	2005.4
77.5°	2237.8	2123.3	1984.2	1889.9	1816.7	1786.9	1773.7	1773.3
80°	1799.0	1627.4	1525.7	1469.0	1380.5	1355.0	1328.0	1317.9
82.5°	1087.9	850.2	691.2	614.2	571.6	470.8	422.4	399.6
85°	253.4	180.0	124.1	81.5	58.7	46.6	35.9	31.7
87.5°	17.1	13.5	12.0	9.7	7.4	7.2	4.5	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)