

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: P266171

Luminaire Tested: **LXF.LXT-AF24-80-D-U-5WQ-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266171
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-5WQ-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6958.7 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 83
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

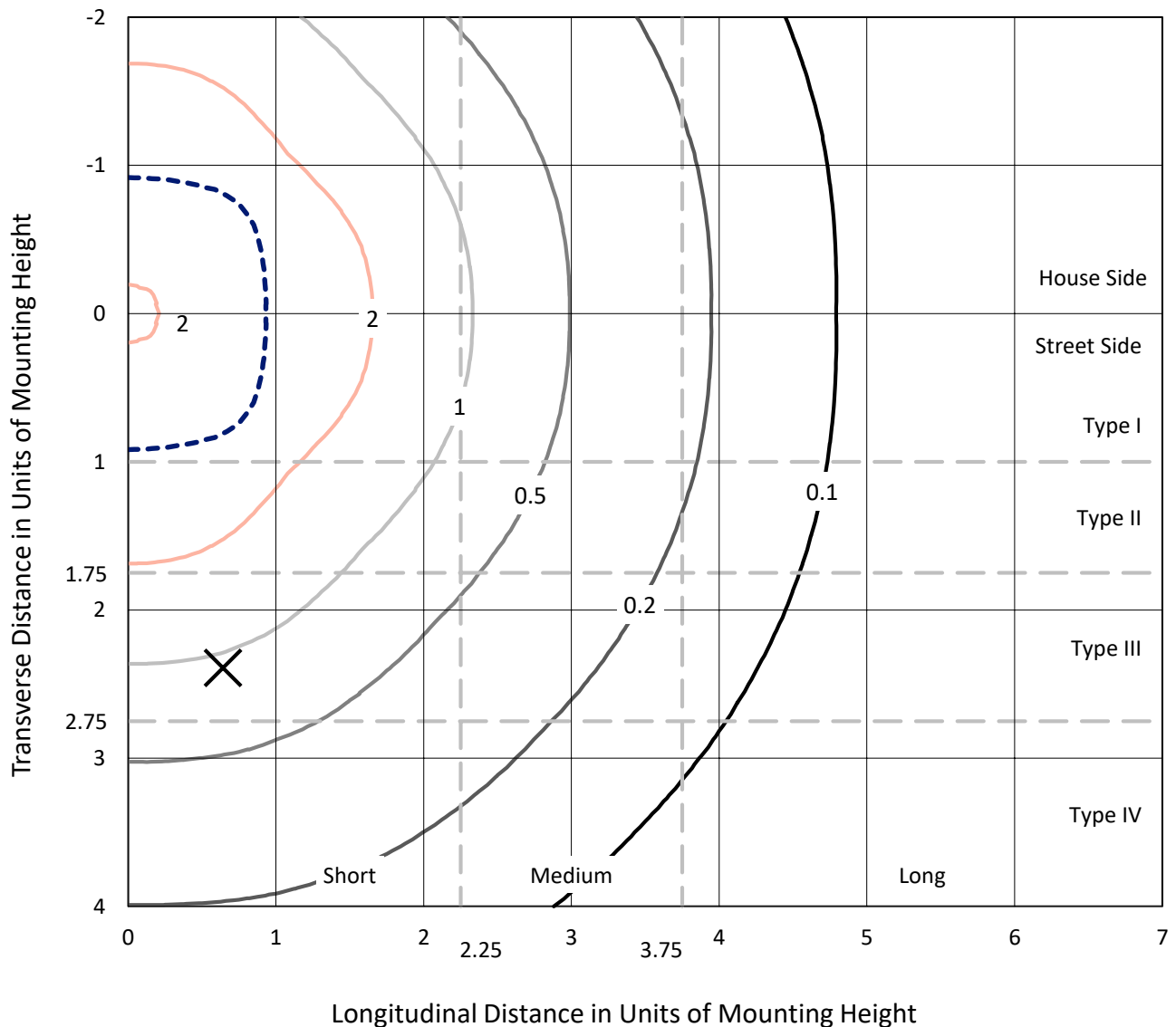


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

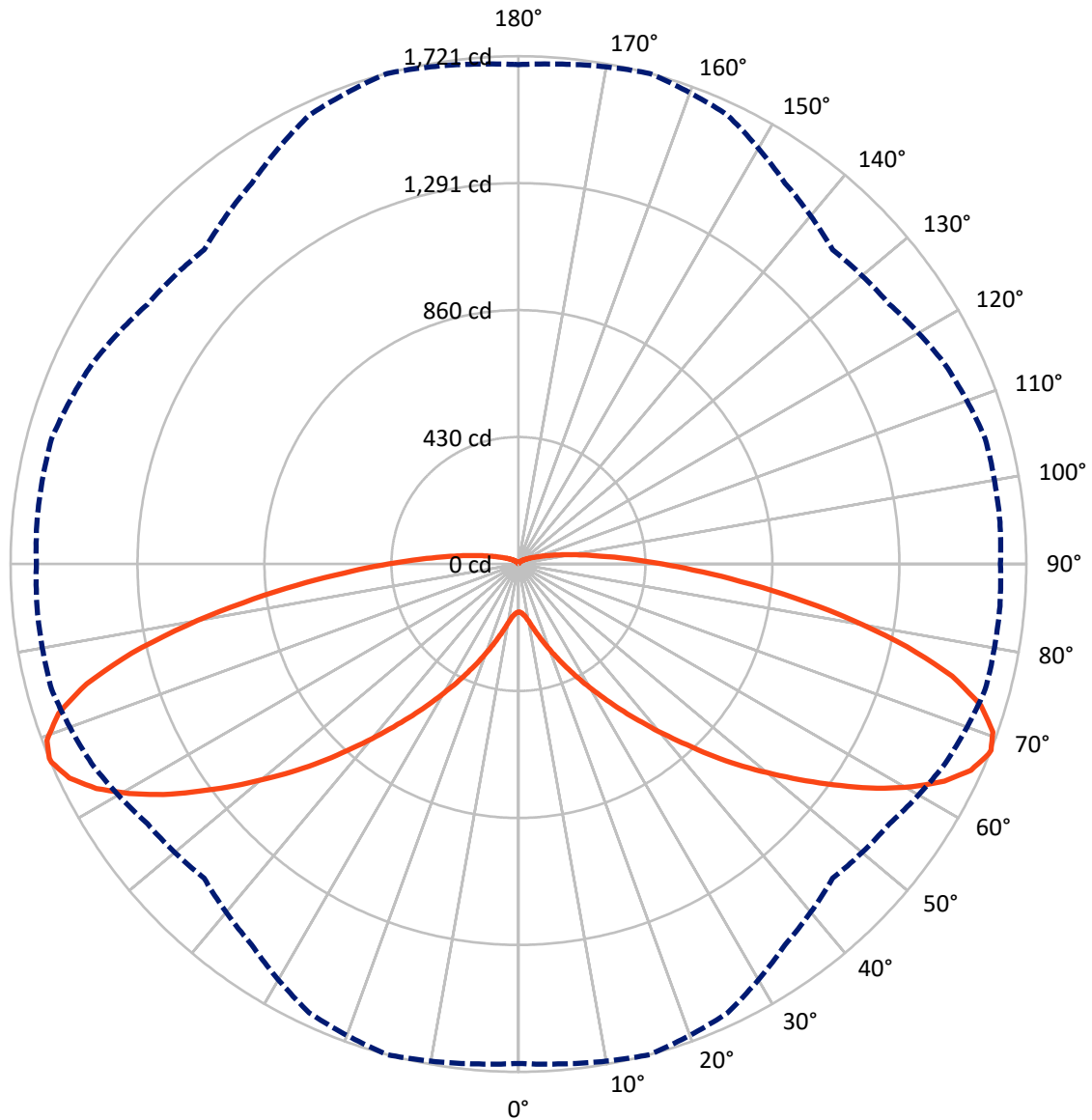


Based on 10 foot mounting height. Maximum calculated value = 3.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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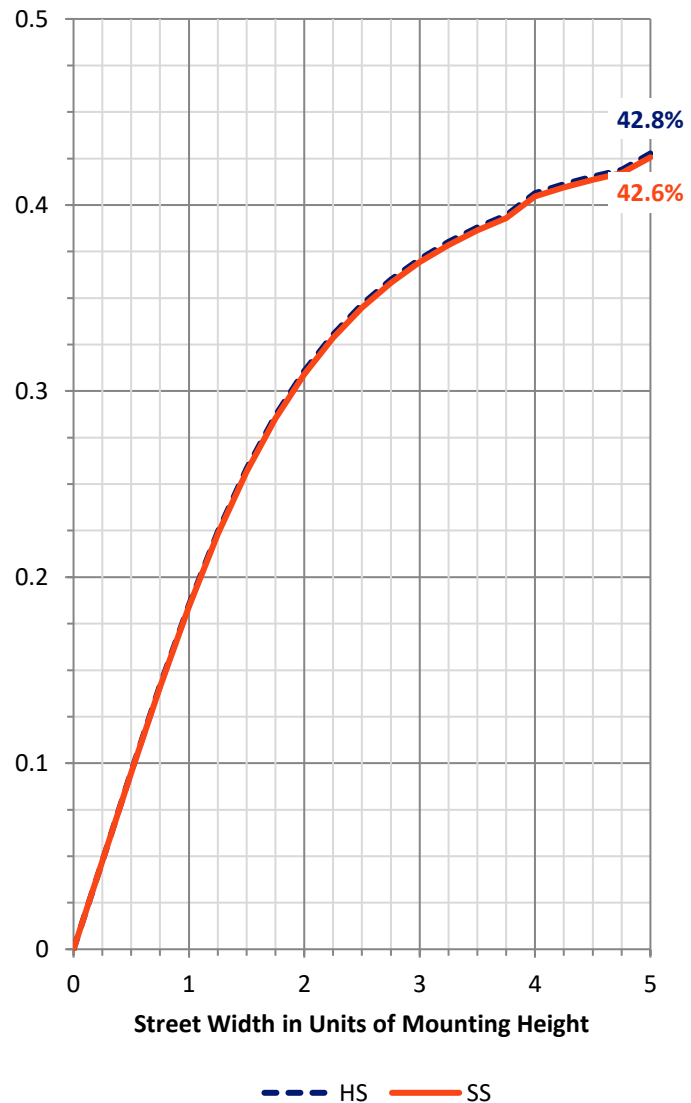
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3188.4	291.0	3479.4
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	3188.4	291.0	3479.4
	% Fixture	45.8	4.2	50.0
Total	Lumens	6376.8	581.9	6958.7
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.1	0.2
10°-20°	71.4	1.0
20°-30°	181.9	2.6
30°-40°	377.8	5.4
40°-50°	689.6	9.9
50°-60°	1126.5	16.2
60°-70°	1554.0	22.3
70°-80°	1501.5	21.6
80°-90°	856.9	12.3
90°-100°	344.9	5.0
100°-110°	135.4	1.9
110°-120°	58.7	0.8
120°-130°	26.9	0.4
130°-140°	11.7	0.2
140°-150°	3.8	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6376.8	91.6
0°-180°	6958.7	100.0



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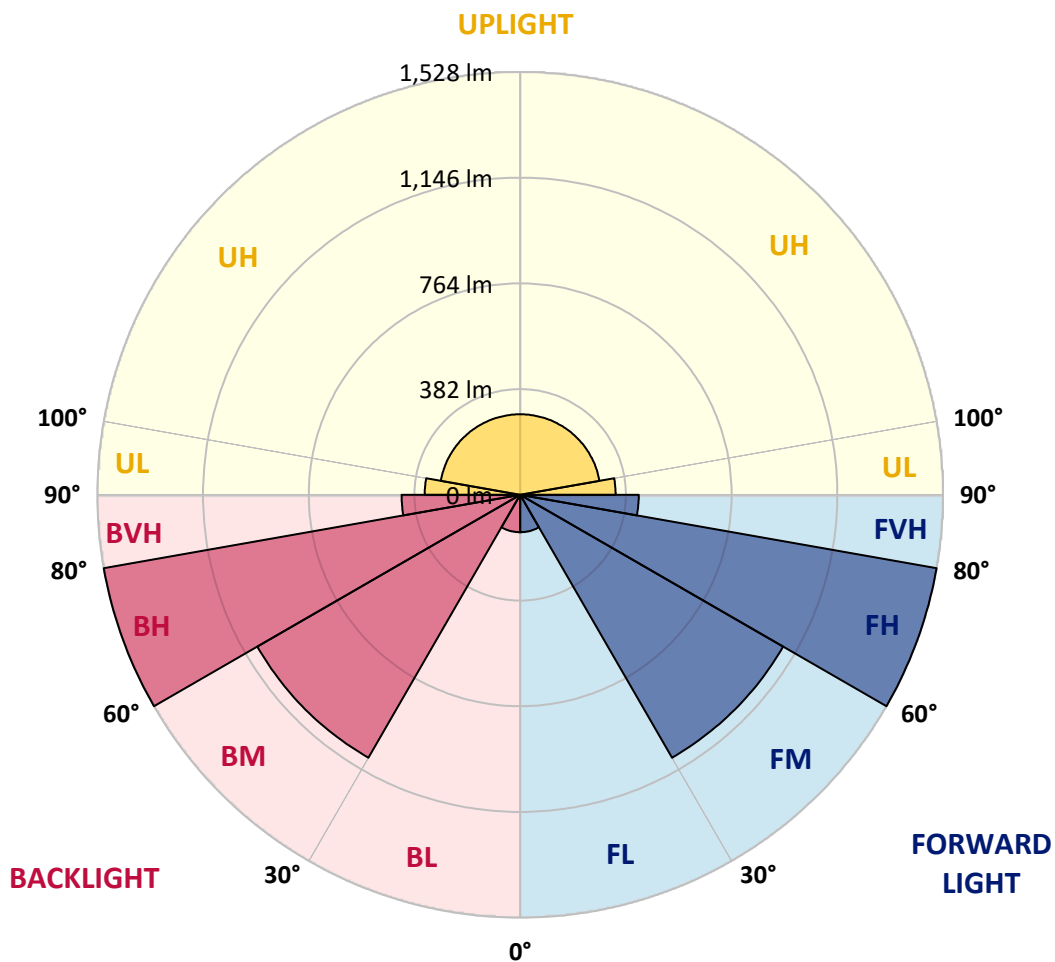
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	135.2	1.9			
FM (30°-60°)	1097.0	15.8			
FH (60°-80°)	1527.8	22.0			G1/1800
FVH (80°-90°)	428.4	6.2			G3/500
BL (0°-30°)	135.2	1.9	B1/500		
BM (30°-60°)	1097.0	15.8	B2/2500		
BH (60°-80°)	1527.8	22.0	B3/2500		G1/1800
BVH (80°-90°)	428.4	6.2			G3/500
UL (90°-100°)	344.9	5.0		U3/500	
UH (100°-180°)	291.0	4.2		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4	162.4
2.5°	164.7	164.7	164.7	164.7	164.7	164.7	164.7	164.7	163.9	163.9	163.9
5°	170.3	171.0	171.0	171.0	171.0	171.0	171.0	170.3	170.3	170.3	170.3
7.5°	181.5	181.5	181.5	181.5	181.5	180.6	180.6	180.6	179.9	179.9	179.0
10°	199.0	199.0	199.0	198.2	197.4	196.5	196.5	195.8	195.0	195.0	194.2
12.5°	222.1	222.1	222.1	218.1	217.3	215.7	215.7	215.7	216.5	216.5	217.3
15°	249.9	249.9	249.9	245.1	242.0	238.0	239.6	240.3	242.0	242.0	242.7
17.5°	281.7	281.7	280.1	275.4	270.6	268.2	266.5	269.0	270.6	272.1	272.1
20°	316.7	316.7	314.3	307.9	303.2	301.7	300.0	300.0	303.9	305.7	303.9
22.5°	356.5	354.9	353.4	345.4	340.5	336.7	336.7	335.8	340.5	343.8	343.1
25°	401.9	400.4	395.6	386.8	381.2	376.4	375.6	375.6	383.5	388.3	387.6
27.5°	451.3	448.9	442.4	433.0	424.2	417.8	418.6	421.8	428.9	437.7	437.7
30°	505.3	503.8	493.3	483.8	469.5	461.5	463.2	471.9	481.5	491.1	491.8
32.5°	565.0	561.9	549.9	537.1	519.7	509.2	512.6	522.9	537.1	551.5	552.3
35°	631.1	627.9	613.6	596.0	573.7	560.3	565.0	580.9	600.1	616.7	617.6
37.5°	702.7	698.0	680.5	662.1	631.9	616.0	624.0	644.7	666.9	685.9	688.5
40°	776.0	776.0	756.8	732.2	695.6	676.5	685.1	713.1	741.7	759.2	763.2
42.5°	857.9	858.7	837.2	807.8	764.7	742.4	752.9	785.5	820.5	839.6	843.6
45°	943.8	946.3	930.4	889.0	839.6	812.5	824.5	865.8	904.9	924.7	927.9
47.5°	1036.1	1039.3	1024.2	976.5	920.0	890.5	903.2	950.2	995.6	1014.6	1017.9
50°	1134.1	1136.4	1118.1	1071.1	1007.4	971.6	987.6	1040.1	1087.0	1106.3	1110.9
52.5°	1235.1	1237.5	1220.0	1173.0	1099.0	1059.2	1078.3	1133.2	1185.9	1202.6	1203.3
55°	1336.9	1340.2	1325.1	1274.2	1194.6	1149.2	1170.8	1228.7	1285.3	1301.1	1306.0
57.5°	1437.3	1440.4	1434.1	1376.8	1291.7	1239.9	1264.5	1328.2	1384.0	1396.7	1397.5
60°	1531.3	1536.7	1532.0	1475.5	1383.2	1326.6	1352.8	1419.9	1475.5	1485.8	1487.5
62.5°	1614.0	1617.0	1619.6	1568.6	1464.3	1403.1	1432.4	1501.7	1555.9	1562.2	1561.4
65°	1670.5	1676.9	1684.9	1635.5	1530.4	1464.3	1494.6	1562.2	1612.4	1617.0	1614.0
67.5°	1692.0	1700.8	1718.2	1674.4	1571.0	1501.7	1531.3	1594.0	1637.0	1639.3	1633.8
68°	1692.0	1700.0	1720.7	1677.7	1575.0	1505.6	1534.3	1596.5	1637.8	1637.8	1633.1
70°	1667.3	1678.5	1705.4	1672.9	1575.7	1509.0	1533.5	1586.9	1621.9	1615.5	1608.3
72.5°	1589.3	1601.9	1638.6	1618.7	1539.2	1479.5	1496.9	1535.9	1551.9	1539.2	1532.0
75°	1453.9	1467.6	1517.6	1514.5	1457.9	1408.6	1419.0	1436.5	1436.5	1412.7	1399.9
77.5°	1283.7	1296.4	1345.8	1365.7	1338.6	1302.0	1302.0	1298.1	1278.1	1238.4	1227.2
80°	1081.5	1092.7	1145.2	1187.4	1182.6	1161.9	1152.3	1127.0	1091.9	1048.1	1032.2
82.5°	879.4	891.3	942.2	985.3	1013.1	1005.2	988.5	948.6	896.9	848.4	838.7
85°	697.2	701.1	754.4	809.4	841.3	844.3	826.9	776.0	722.5	674.8	663.7
87.5°	543.6	549.1	592.9	648.5	687.7	690.7	673.3	621.5	569.9	526.9	517.3
90°	417.8	426.5	461.5	511.8	549.1	557.0	539.6	493.3	444.9	405.9	397.9
92.5°	322.3	327.9	359.0	401.9	436.0	446.5	430.6	390.0	347.7	313.6	310.4
95°	253.1	254.7	279.4	315.9	344.6	358.2	343.1	308.7	272.1	244.2	241.1
97.5°	195.8	199.0	218.8	249.9	276.1	284.9	273.8	245.1	214.9	188.6	186.2
100°	152.1	154.4	171.8	199.8	221.3	229.2	220.4	196.5	168.7	148.0	148.0
102.5°	120.9	121.8	136.2	159.2	176.6	183.9	177.4	157.6	133.7	117.0	117.8
105°	97.0	97.0	108.2	128.9	145.6	150.5	144.8	127.3	106.7	94.0	94.0
107.5°	78.1	78.8	87.6	105.0	120.2	125.0	120.2	104.3	86.0	76.4	76.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	64.5	64.5	70.8	86.0	99.5	104.3	99.5	85.2	70.1	62.1	62.1
112.5°	53.3	53.3	58.1	70.8	82.7	87.6	82.7	70.1	57.3	51.7	51.7
115°	45.4	45.4	48.6	58.8	69.2	73.2	69.2	58.8	47.8	44.6	44.6
117.5°	38.9	38.9	41.4	49.3	58.1	62.1	58.1	48.6	40.7	38.2	38.2
120°	34.2	34.2	35.0	40.7	48.6	51.7	48.6	40.7	34.2	32.6	32.6
122.5°	29.5	29.5	29.5	34.2	40.7	42.9	39.7	34.2	29.5	28.7	28.7
125°	26.3	25.4	26.3	28.7	33.4	36.7	33.4	28.7	25.4	25.4	25.4
127.5°	23.0	23.0	22.3	23.9	27.8	29.5	27.8	23.9	22.3	22.3	22.3
130°	19.9	19.9	19.9	20.8	22.3	23.9	23.0	20.8	19.9	19.9	19.9
132.5°	17.4	17.4	16.7	17.4	18.2	19.1	18.2	16.7	16.7	17.4	17.4
135°	15.1	15.1	15.1	14.4	14.4	15.1	14.4	14.4	15.1	15.1	15.1
137.5°	13.6	13.6	12.8	11.9	11.1	11.1	11.1	11.9	12.8	12.8	13.6
140°	11.1	11.1	10.3	9.5	8.8	8.8	8.8	9.5	10.3	11.1	11.1
142.5°	9.5	9.5	8.8	7.1	6.4	5.6	6.4	7.1	7.9	8.8	8.8
145°	7.1	7.1	6.4	5.6	4.9	4.0	4.0	5.6	6.4	7.1	7.1
147.5°	5.6	5.6	4.9	4.0	3.1	2.3	2.3	4.0	4.9	5.6	5.6
150°	4.0	4.0	3.1	2.3	1.5	1.5	1.5	2.3	3.1	3.1	4.0
152.5°	2.3	2.3	1.5	1.5	0.8	0.8	0.8	1.5	1.5	2.3	2.3
155°	0.8	1.5	0.8	0.8	0.8	0.0	0.8	0.8	0.8	1.5	1.5
157.5°	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)