

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: P266142

Luminaire Tested: **LXF.LXT-AF24-70-D-U-5WQ-FL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266142
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-AF24-70-D-U-5WQ-FL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 930mA 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: 6365.9 lumens
Efficiency: N/A
Efficacy: 86.0 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): 74
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

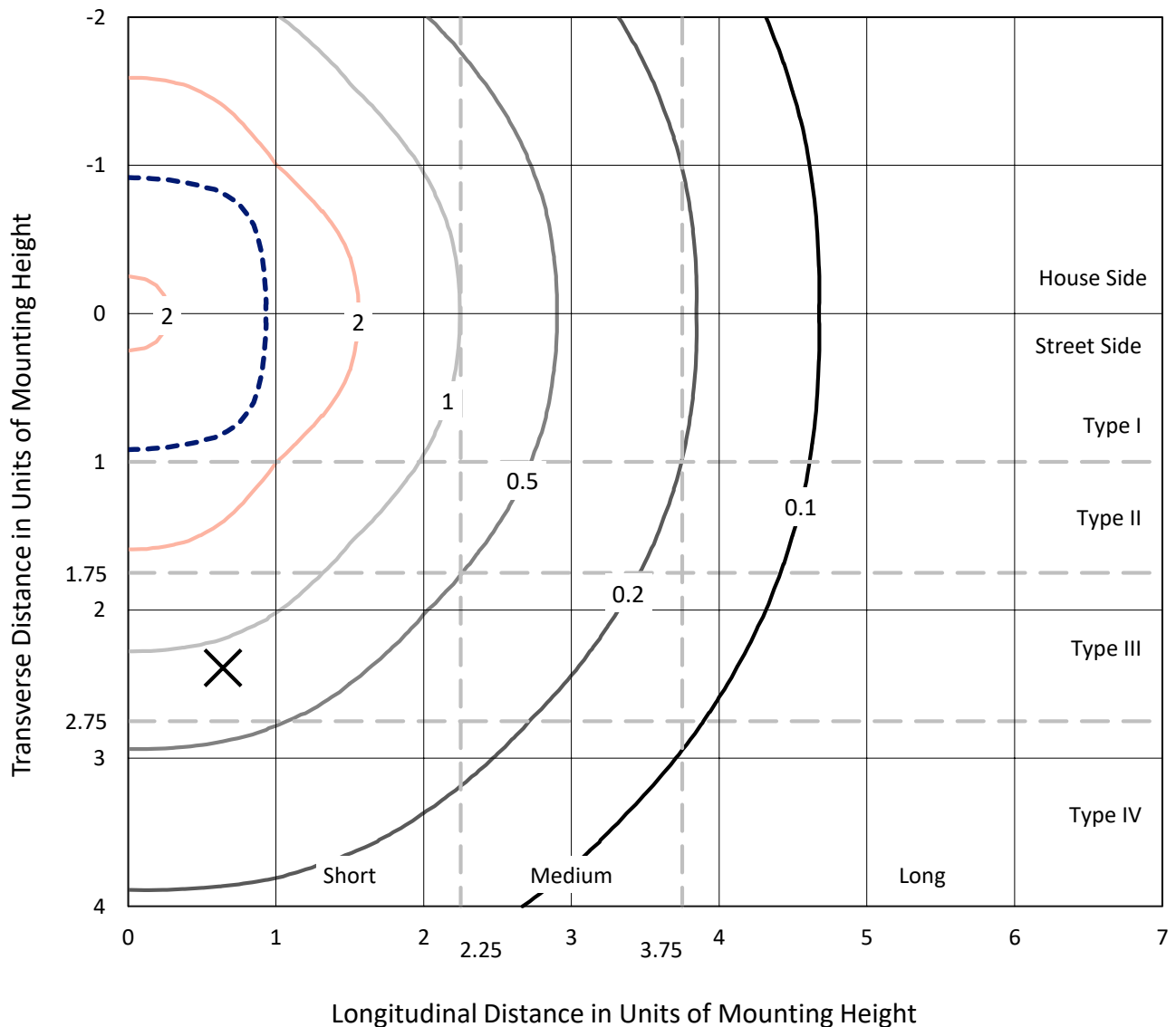


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

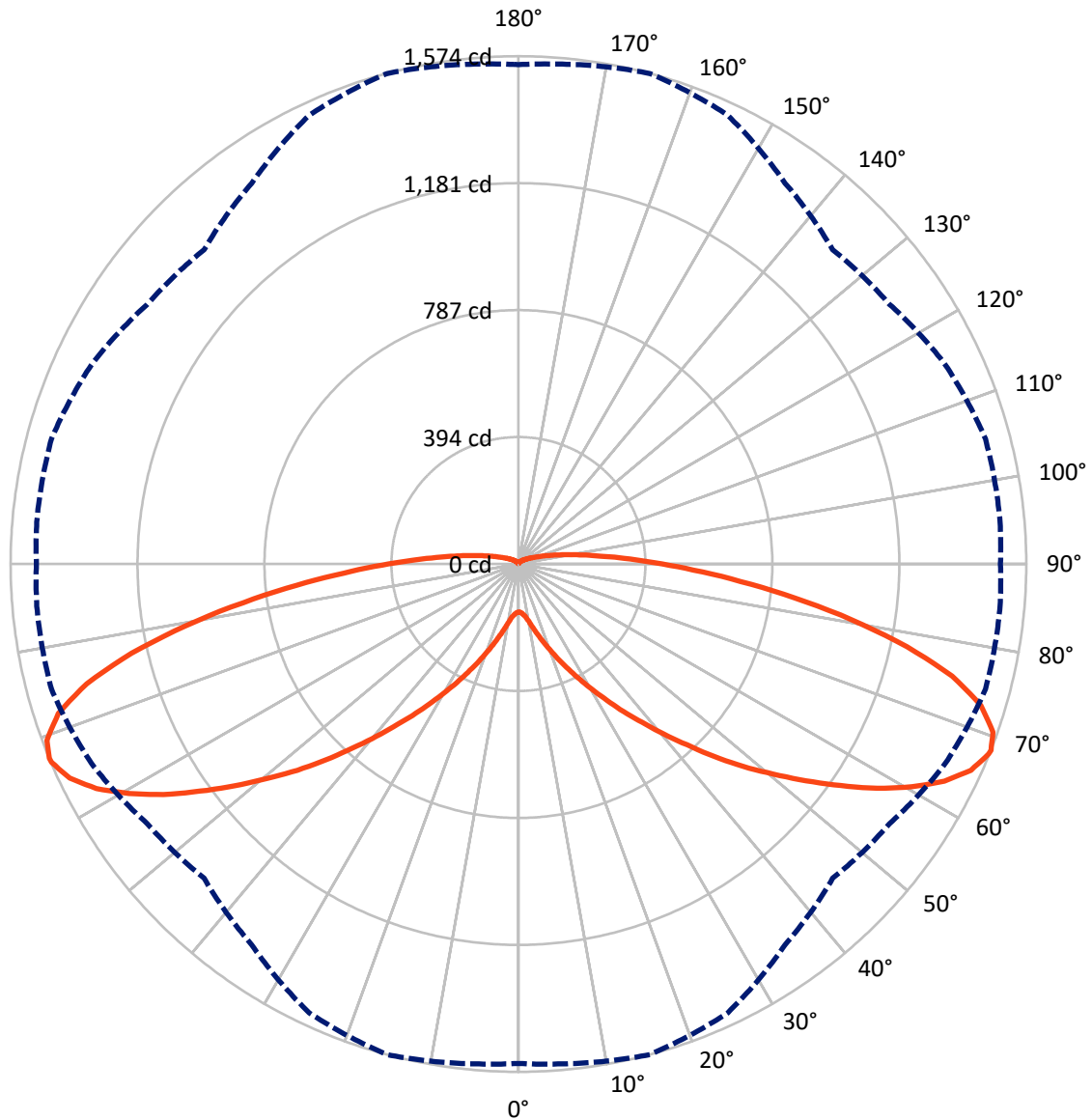


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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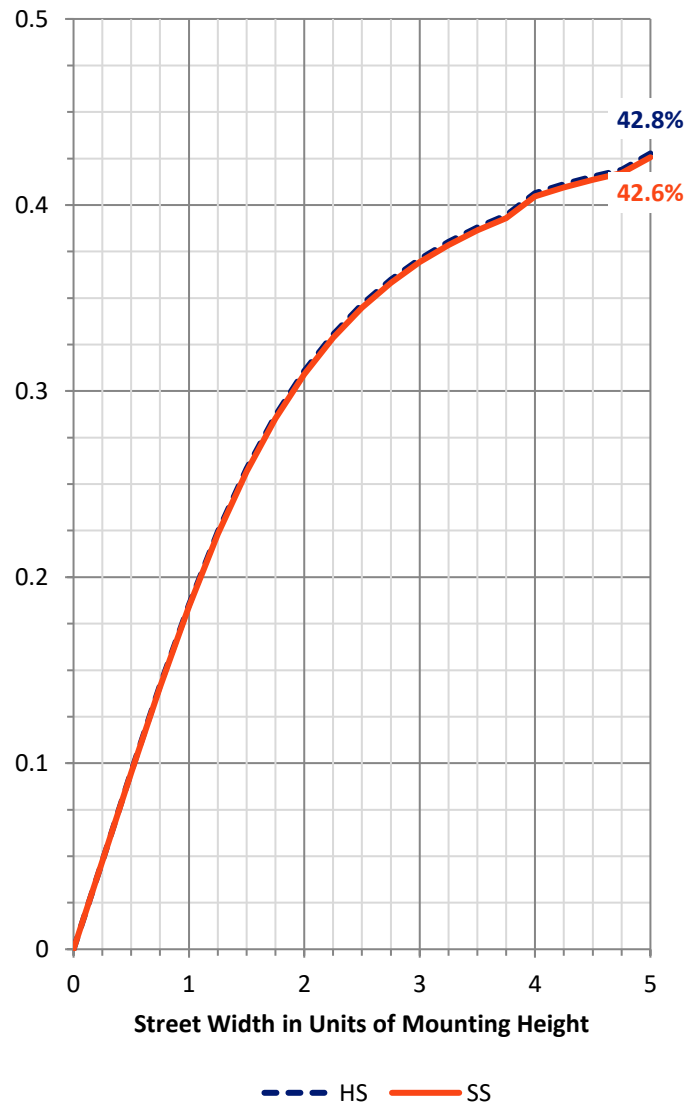
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2916.8	266.2	3183.0
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	2916.8	266.2	3183.0
	% Fixture	45.8	4.2	50.0
Total	Lumens	5833.6	532.4	6365.9
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.6	0.2
10°-20°	65.3	1.0
20°-30°	166.4	2.6
30°-40°	345.6	5.4
40°-50°	630.9	9.9
50°-60°	1030.6	16.2
60°-70°	1421.7	22.3
70°-80°	1373.6	21.6
80°-90°	783.9	12.3
90°-100°	315.5	5.0
100°-110°	123.9	1.9
110°-120°	53.7	0.8
120°-130°	24.6	0.4
130°-140°	10.7	0.2
140°-150°	3.5	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5833.6	91.6
0°-180°	6365.9	100.0



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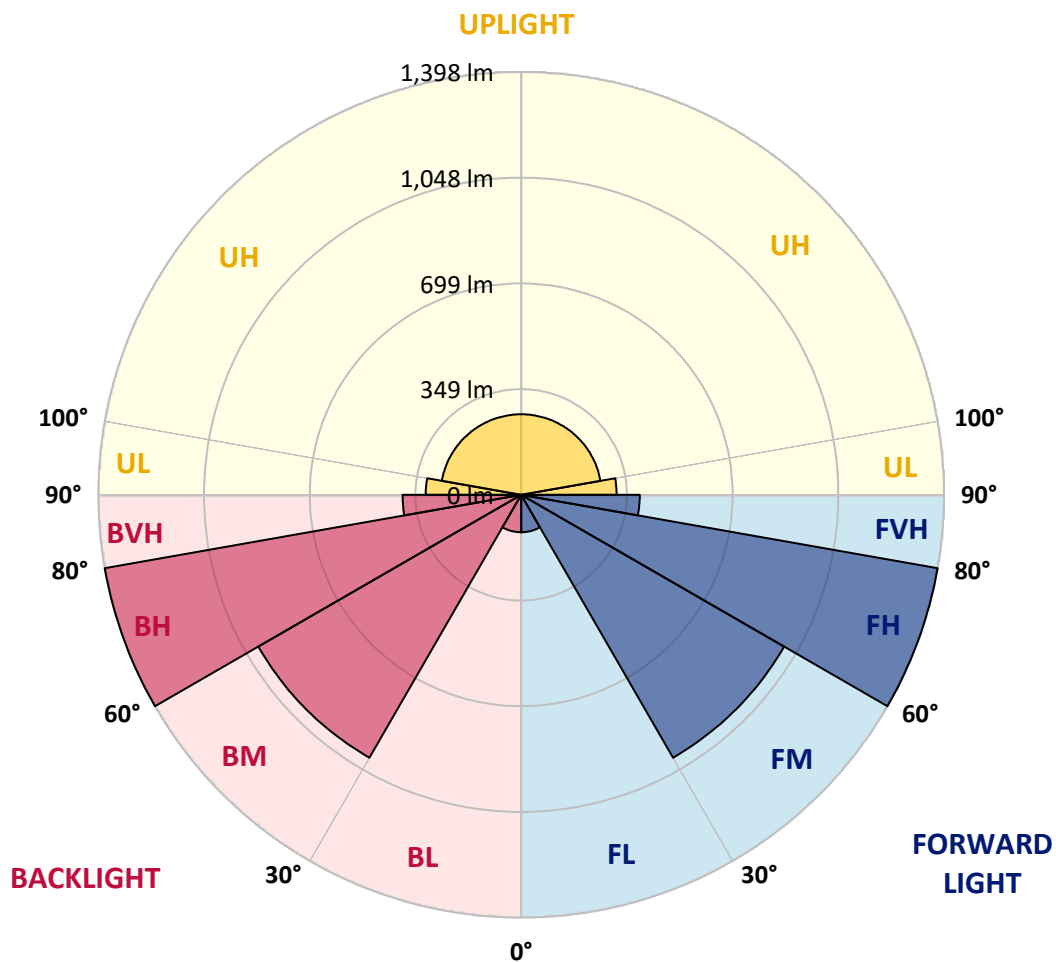
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	123.7	1.9			
FM	(30°-60°)	1003.5	15.8			
FH	(60°-80°)	1397.6	22.0			G1/1800
FVH	(80°-90°)	392.0	6.2			G3/500
BL	(0°-30°)	123.7	1.9	B1/500		
BM	(30°-60°)	1003.5	15.8	B2/2500		
BH	(60°-80°)	1397.6	22.0	B3/2500		G1/1800
BVH	(80°-90°)	392.0	6.2			G3/500
UL	(90°-100°)	315.5	5.0		U3/500	
UH	(100°-180°)	266.2	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°	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5	148.5
2.5°	150.6	150.6	150.6	150.6	150.6	150.6	150.6	150.6	149.9	149.9	149.9
5°	155.8	156.6	156.6	156.6	156.6	156.6	156.6	155.8	155.8	155.8	155.8
7.5°	165.9	165.9	165.9	165.9	165.9	165.3	165.3	165.3	164.5	164.5	163.9
10°	181.9	181.9	181.9	181.3	180.6	179.8	179.8	179.1	178.4	178.4	177.7
12.5°	203.1	203.1	203.1	199.5	198.7	197.3	197.3	197.3	198.0	198.0	198.7
15°	228.6	228.6	228.6	224.2	221.3	217.7	219.1	219.8	221.3	221.3	222.1
17.5°	257.8	257.8	256.2	252.0	247.6	245.3	243.9	246.0	247.6	249.0	249.0
20°	289.8	289.8	287.5	281.8	277.3	275.9	274.4	274.4	278.1	279.6	278.1
22.5°	326.2	324.6	323.2	315.9	311.6	307.9	307.9	307.2	311.6	314.4	313.8
25°	367.6	366.1	361.8	353.8	348.7	344.4	343.6	343.6	350.9	355.3	354.6
27.5°	412.9	410.6	404.7	396.1	388.1	382.1	382.9	385.8	392.4	400.5	400.5
30°	462.3	460.8	451.4	442.7	429.5	422.3	423.7	431.7	440.4	449.2	450.0
32.5°	517.0	514.0	503.1	491.5	475.5	466.0	468.8	478.3	491.5	504.5	505.2
35°	577.3	574.5	561.4	545.4	524.9	512.6	517.0	531.4	549.0	564.2	564.9
37.5°	642.8	638.4	622.4	605.7	578.1	563.4	570.8	589.6	610.0	627.6	629.7
40°	709.8	709.8	692.4	669.7	636.3	618.8	626.8	652.3	678.5	694.5	698.3
42.5°	784.8	785.6	765.9	738.9	699.6	679.3	688.7	718.6	750.7	768.1	771.7
45°	863.5	865.6	851.1	813.2	768.1	743.3	754.2	792.0	827.8	845.9	848.9
47.5°	947.9	950.9	937.0	893.4	841.6	814.7	826.4	869.3	910.8	928.3	931.2
50°	1037.5	1039.6	1022.9	980.0	921.8	889.0	903.4	951.6	994.6	1012.0	1016.3
52.5°	1129.9	1132.1	1116.1	1073.1	1005.5	969.0	986.5	1036.7	1084.8	1100.1	1100.9
55°	1223.1	1225.9	1212.2	1165.6	1092.8	1051.2	1070.9	1124.0	1175.8	1190.3	1194.7
57.5°	1314.8	1317.8	1312.0	1259.6	1181.6	1134.3	1156.8	1215.0	1266.0	1277.7	1278.4
60°	1400.7	1405.8	1401.4	1349.8	1265.4	1213.6	1237.7	1298.8	1349.8	1359.2	1360.8
62.5°	1476.5	1479.4	1481.6	1435.0	1339.6	1283.5	1310.4	1373.8	1423.4	1429.2	1428.5
65°	1528.1	1533.9	1541.2	1496.0	1400.0	1339.6	1367.2	1429.2	1474.9	1479.4	1476.5
67.5°	1547.8	1555.9	1571.9	1531.8	1437.2	1373.8	1400.7	1458.3	1497.6	1499.7	1494.7
68°	1547.8	1555.1	1574.0	1534.8	1440.8	1377.5	1403.6	1460.5	1498.4	1498.4	1493.9
70°	1525.2	1535.5	1560.1	1530.4	1441.5	1380.3	1403.0	1451.8	1483.7	1477.9	1471.3
72.5°	1453.8	1465.6	1499.0	1480.9	1408.1	1353.4	1369.5	1405.0	1419.7	1408.1	1401.4
75°	1330.1	1342.4	1388.4	1385.5	1333.8	1288.6	1298.1	1314.1	1314.1	1292.2	1280.7
77.5°	1174.4	1185.9	1231.0	1249.4	1224.6	1191.1	1191.1	1187.4	1169.2	1132.9	1122.6
80°	989.5	999.6	1047.7	1086.2	1081.9	1063.0	1054.3	1030.8	998.8	958.9	944.3
82.5°	804.5	815.4	862.1	901.3	926.8	919.5	904.2	867.9	820.5	776.0	767.3
85°	637.7	641.4	690.2	740.5	769.6	772.5	756.5	709.8	661.1	617.3	607.2
87.5°	497.2	502.3	542.3	593.3	629.1	632.0	615.9	568.5	521.2	482.0	473.2
90°	382.1	390.3	422.3	468.1	502.3	509.6	493.6	451.4	406.9	371.3	364.1
92.5°	294.9	299.9	328.3	367.6	398.9	408.4	393.8	356.7	318.2	286.9	284.0
95°	231.6	233.0	255.6	289.1	315.2	327.6	313.8	282.4	249.0	223.5	220.7
97.5°	179.1	181.9	200.2	228.6	252.7	260.7	250.4	224.2	196.5	172.6	170.4
100°	139.1	141.3	157.3	182.7	202.4	209.7	201.7	179.8	154.4	135.5	135.5
102.5°	110.6	111.4	124.4	145.6	161.7	168.2	162.4	144.2	122.3	107.0	107.7
105°	88.8	88.8	99.1	117.9	133.2	137.6	132.5	116.5	97.6	85.9	85.9
107.5°	71.3	72.0	80.0	96.1	110.0	114.4	110.0	95.4	78.6	69.9	69.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	59.0	59.0	64.8	78.6	91.0	95.4	91.0	78.0	64.0	56.9	56.9
112.5°	48.8	48.8	53.1	64.8	75.6	80.0	75.6	64.0	52.5	47.3	47.3
115°	41.5	41.5	44.3	53.9	63.3	67.0	63.3	53.9	43.7	40.8	40.8
117.5°	35.7	35.7	37.9	45.2	53.1	56.9	53.1	44.3	37.1	34.9	34.9
120°	31.4	31.4	32.0	37.1	44.3	47.3	44.3	37.1	31.4	29.9	29.9
122.5°	26.9	26.9	26.9	31.4	37.1	39.3	36.4	31.4	26.9	26.2	26.2
125°	24.1	23.3	24.1	26.2	30.6	33.4	30.6	26.2	23.3	23.3	23.3
127.5°	21.1	21.1	20.4	21.9	25.5	26.9	25.5	21.9	20.4	20.4	20.4
130°	18.1	18.1	18.1	19.0	20.4	21.9	21.1	19.0	18.1	18.1	18.1
132.5°	16.0	16.0	15.4	16.0	16.8	17.4	16.8	15.4	15.4	16.0	16.0
135°	13.8	13.8	13.8	13.1	13.1	13.8	13.1	13.1	13.8	13.8	13.8
137.5°	12.3	12.3	11.7	10.9	10.2	10.2	10.2	10.9	11.7	11.7	12.3
140°	10.2	10.2	9.4	8.8	8.1	8.1	8.1	8.8	9.4	10.2	10.2
142.5°	8.8	8.8	8.1	6.6	5.7	5.1	5.7	6.6	7.2	8.1	8.1
145°	6.6	6.6	5.7	5.1	4.4	3.7	3.7	5.1	5.7	6.6	6.6
147.5°	5.1	5.1	4.4	3.7	3.0	2.2	2.2	3.7	4.4	5.1	5.1
150°	3.7	3.7	3.0	2.2	1.4	1.4	1.4	2.2	3.0	3.0	3.7
152.5°	2.2	2.2	1.4	1.4	0.7	0.7	0.7	1.4	1.4	2.2	2.2
155°	0.7	1.4	0.7	0.7	0.7	0.0	0.7	0.7	0.7	1.4	1.4
157.5°	0.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.7	0.7
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)