

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: P416530

Luminaire Tested: **LXF.LXT-PA1-70-830-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416530
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-70-830-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 3000K, 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: 6521 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B3 - U3 - G3

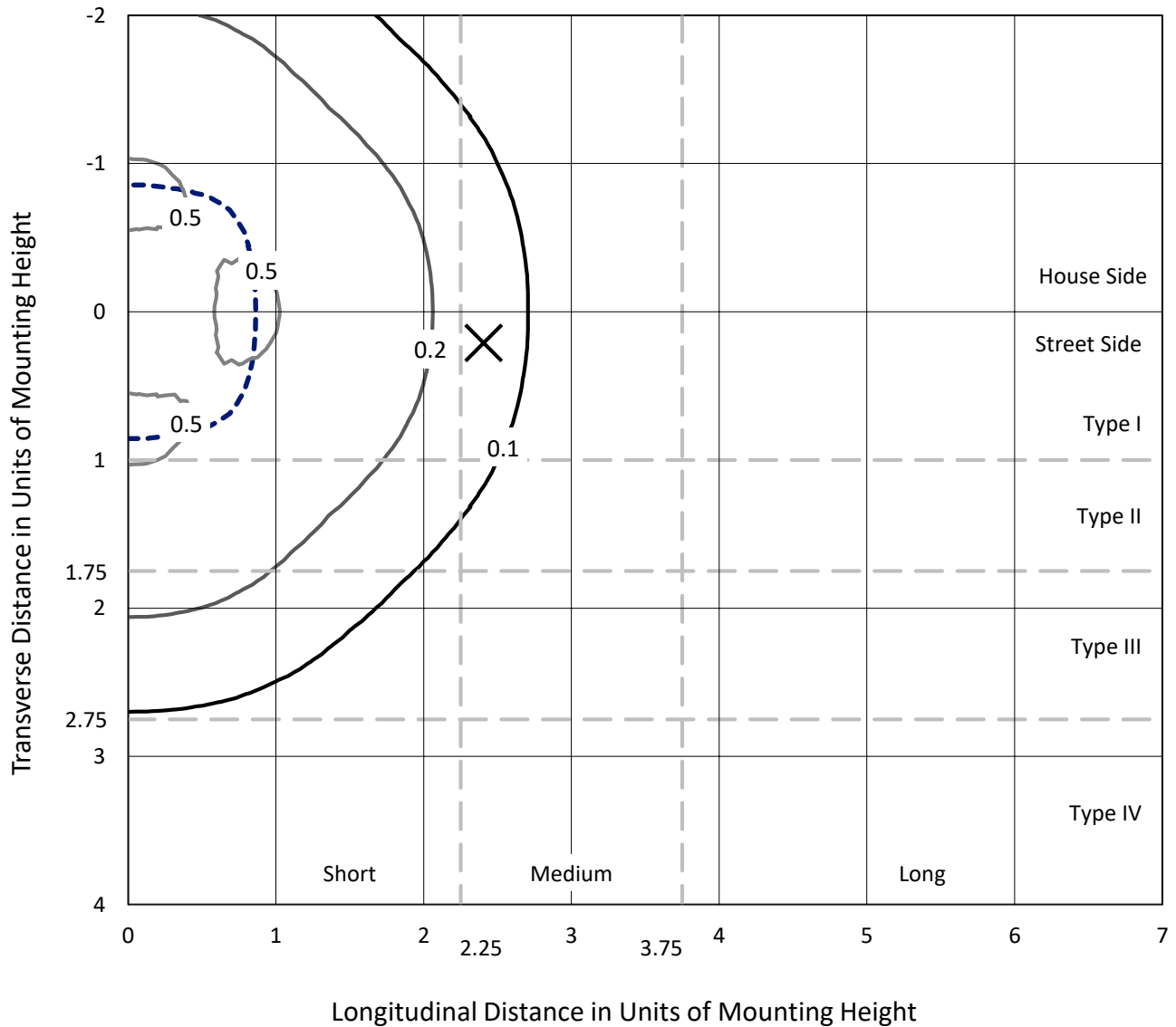
Input Watts (W): 74
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

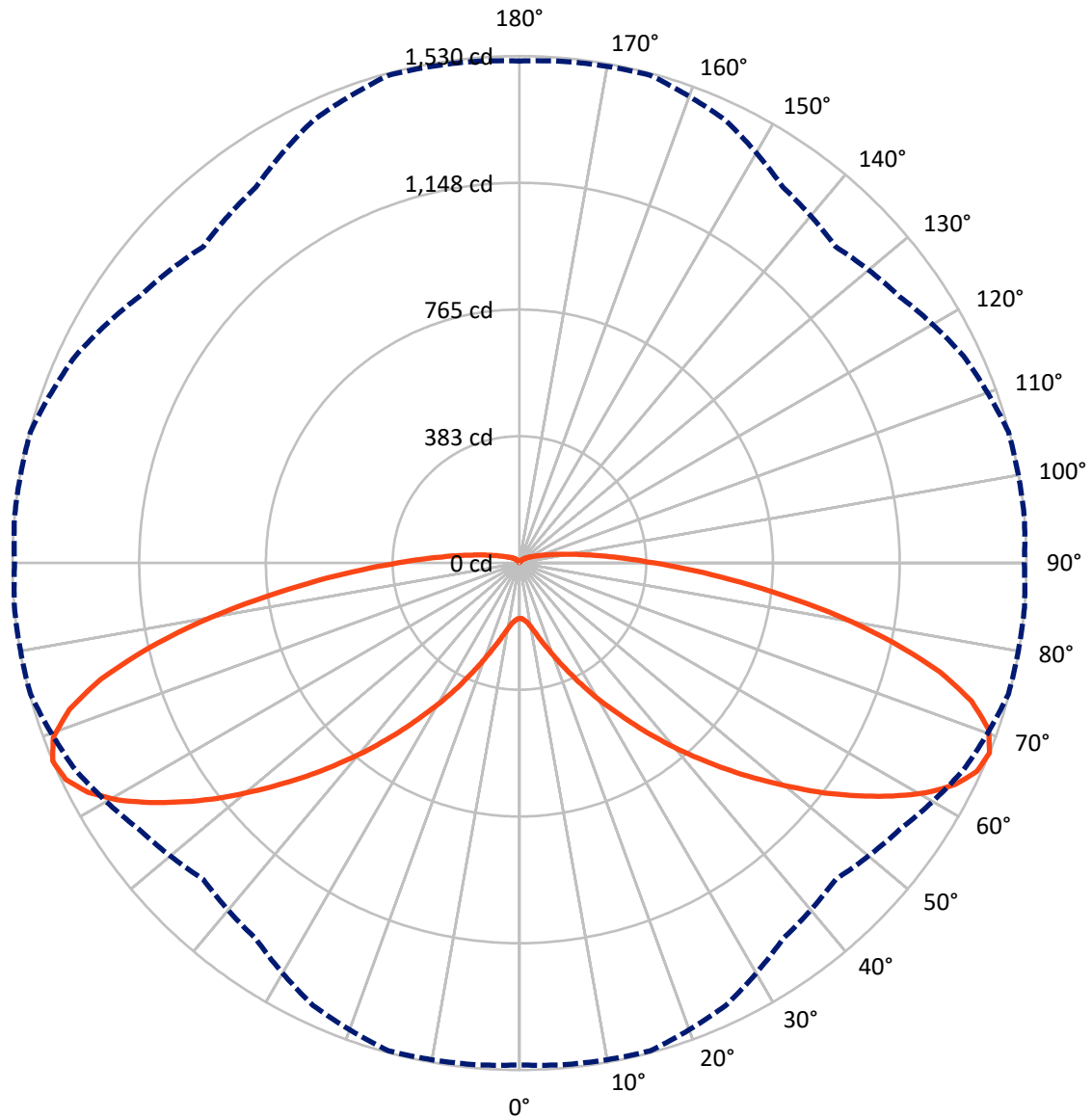
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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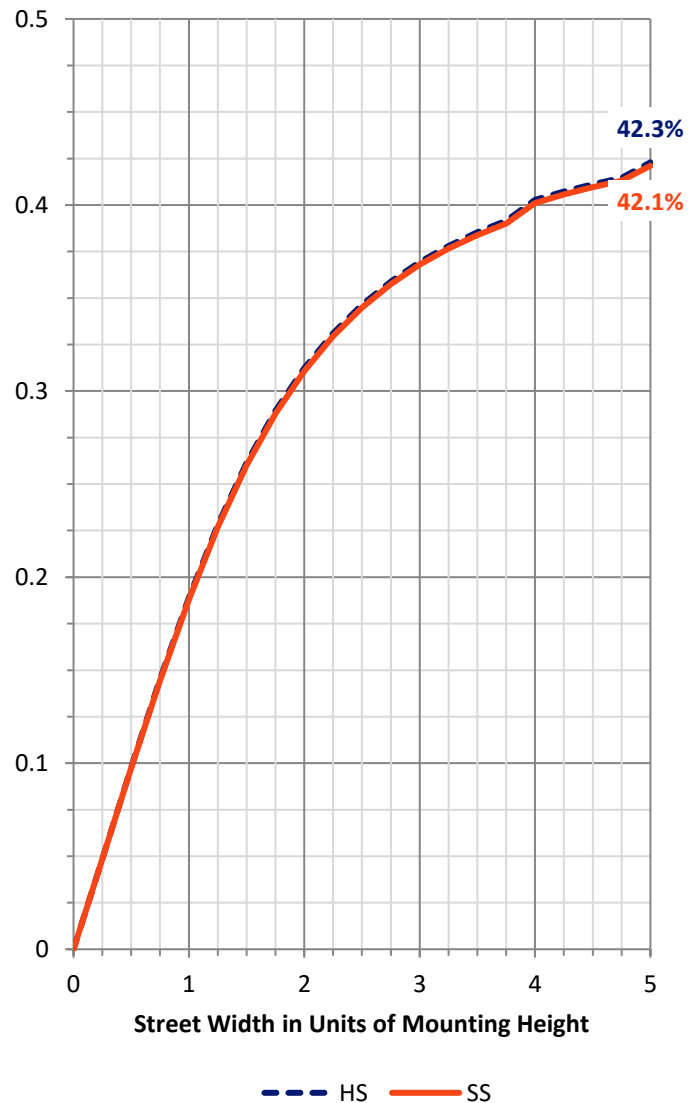
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2957.0	303.5	3260.5
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2957.0	303.5	3260.5
	% Fixture	45.3	4.7	50.0
Total	Lumens	5913.9	607.1	6521.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	17.4	0.3
10°-20°	70.9	1.1
20°-30°	179.2	2.7
30°-40°	368.9	5.7
40°-50°	663.2	10.2
50°-60°	1060.1	16.3
60°-70°	1418.5	21.8
70°-80°	1344.1	20.6
80°-90°	791.7	12.1
90°-100°	342.0	5.2
100°-110°	145.7	2.2
110°-120°	67.1	1.0
120°-130°	32.1	0.5
130°-140°	14.3	0.2
140°-150°	4.9	0.1
150°-160°	1.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5913.9	90.7
0°-180°	6521.0	100.0



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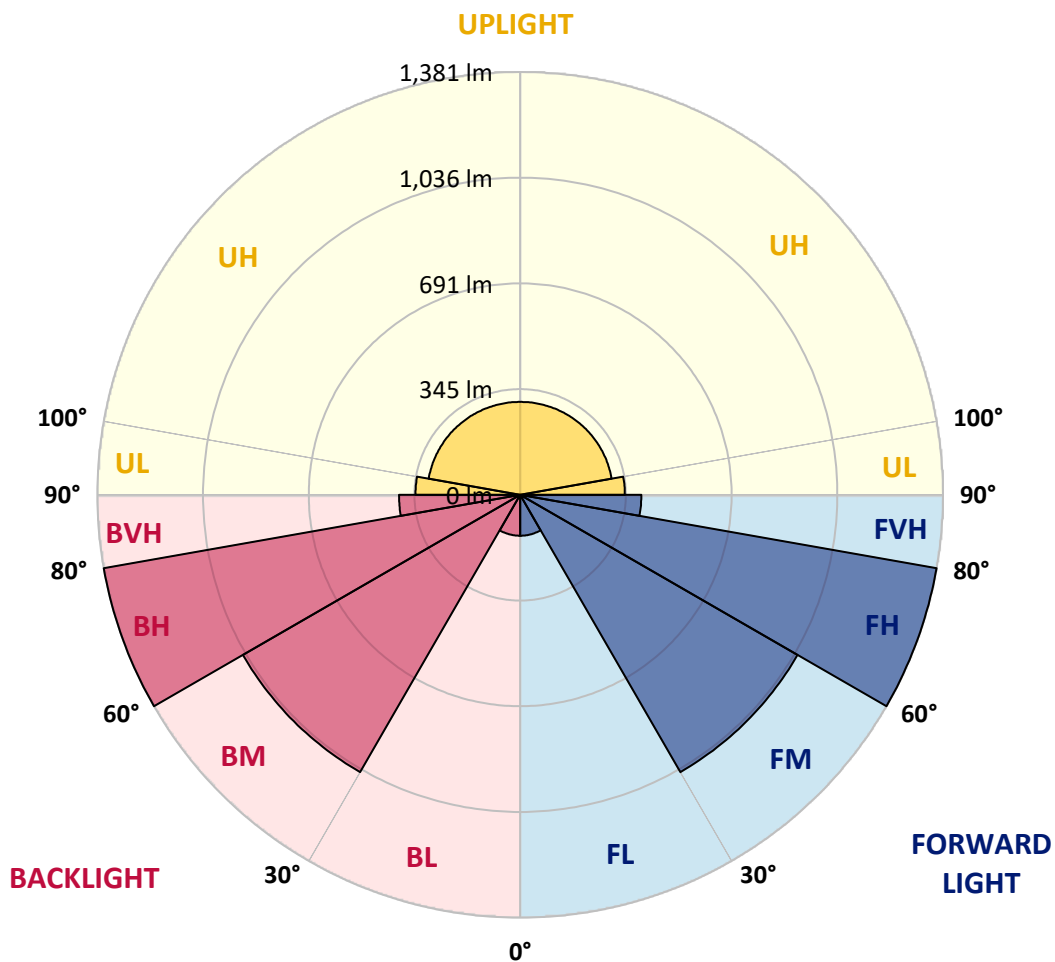
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	133.8	2.1			
FM	(30°-60°)	1046.1	16.0			
FH	(60°-80°)	1381.3	21.2			G1/1800
FVH	(80°-90°)	395.8	6.1			G3/500
BL	(0°-30°)	133.8	2.1	B1/500		
BM	(30°-60°)	1046.1	16.0	B2/2500		
BH	(60°-80°)	1381.3	21.2	B3/2500		G1/1800
BVH	(80°-90°)	395.8	6.1			G3/500
UL	(90°-100°)	342.0	5.2		U3/500	
UH	(100°-180°)	303.5	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2	167.2
2.5°	168.7	167.9	168.7	168.7	169.4	169.4	169.4	169.4	168.7	168.7	168.7
5°	174.5	174.5	174.5	174.5	175.2	175.2	175.2	174.5	174.5	174.5	174.5
7.5°	185.4	184.7	185.4	184.7	184.7	183.9	184.7	183.9	183.2	183.2	183.2
10°	199.2	199.2	199.2	198.5	198.5	198.5	197.0	197.0	197.0	197.0	197.0
12.5°	221.8	220.3	220.3	217.4	215.9	215.2	214.5	214.5	216.7	216.7	215.2
15°	247.9	247.2	247.2	243.6	240.7	236.3	237.0	239.9	239.9	241.4	240.7
17.5°	279.2	278.5	276.3	272.6	269.0	266.1	264.6	266.1	267.6	268.3	269.0
20°	313.4	312.6	309.7	306.1	302.5	301.0	295.9	298.1	299.5	301.0	300.3
22.5°	349.7	349.7	346.8	341.7	338.1	335.2	333.0	330.8	335.9	338.8	339.5
25°	394.1	392.6	387.5	381.7	377.3	375.2	372.3	372.3	375.9	381.7	383.2
27.5°	440.6	439.1	431.9	425.3	419.5	414.4	413.0	415.1	421.7	430.4	430.4
30°	492.2	489.3	482.8	472.6	463.1	458.0	459.5	463.1	472.6	482.8	482.0
32.5°	548.9	543.8	536.6	524.9	511.1	503.8	506.0	516.2	525.7	536.6	538.0
35°	609.3	608.5	596.9	581.6	564.2	552.6	556.9	570.7	585.3	600.5	602.7
37.5°	671.1	673.3	659.4	642.7	617.3	603.5	612.9	632.5	650.7	667.4	668.9
40°	746.7	744.5	730.7	706.0	675.4	660.2	668.2	695.8	719.1	740.1	741.6
42.5°	824.5	818.7	807.0	777.2	736.5	722.7	734.3	765.6	796.9	814.3	815.0
45°	897.9	900.1	887.0	851.4	806.3	785.2	801.9	839.0	875.4	894.3	896.5
47.5°	990.2	984.4	972.8	927.0	876.1	855.0	873.9	919.0	959.0	976.4	975.7
50°	1080.4	1076.8	1060.0	1012.1	954.6	929.2	948.1	1003.3	1047.0	1062.2	1065.9
52.5°	1166.2	1164.7	1150.2	1097.1	1035.3	1004.1	1030.2	1087.7	1137.8	1153.1	1154.6
55°	1254.2	1249.8	1238.9	1183.6	1113.1	1078.2	1110.9	1174.9	1226.5	1241.1	1241.8
57.5°	1332.7	1335.6	1326.9	1268.7	1187.3	1153.8	1190.2	1261.4	1313.8	1327.6	1329.8
60°	1411.2	1411.9	1405.4	1348.7	1262.2	1224.4	1266.5	1340.7	1396.7	1409.0	1409.8
62.5°	1473.0	1474.5	1469.4	1407.6	1321.1	1284.7	1331.2	1408.3	1465.7	1474.5	1473.7
65°	1510.8	1515.2	1512.3	1456.3	1364.0	1330.5	1379.2	1459.9	1512.3	1517.4	1515.2
67.5°	1515.2	1520.3	1524.6	1473.7	1385.8	1350.1	1401.8	1478.8	1528.3	1530.4	1523.9
70°	1483.2	1488.3	1498.5	1456.3	1374.9	1345.0	1394.5	1463.6	1505.0	1502.1	1494.8
72.5°	1401.0	1411.9	1427.2	1398.9	1330.5	1305.8	1354.5	1409.8	1438.1	1427.2	1417.0
75°	1283.2	1294.2	1323.2	1307.2	1254.9	1241.1	1277.4	1318.9	1326.9	1310.9	1297.1
77.5°	1140.0	1153.8	1180.7	1193.1	1158.2	1144.4	1174.9	1196.7	1188.0	1153.1	1142.9
80°	972.8	994.6	1023.0	1042.6	1033.9	1029.5	1044.8	1042.6	1010.6	983.0	965.5
82.5°	820.1	824.5	868.1	892.8	895.7	897.2	901.5	875.4	838.3	801.2	785.2
85°	670.3	671.8	708.2	743.8	757.6	762.0	754.0	719.1	680.5	639.1	628.2
87.5°	537.3	539.5	571.5	607.8	631.8	634.7	619.4	585.3	537.3	500.2	490.8
90°	424.6	431.9	463.9	493.7	519.1	523.5	501.7	465.3	421.0	385.3	379.5
92.5°	339.5	343.2	372.3	399.9	423.9	424.6	409.3	372.3	333.0	301.0	293.7
95°	272.6	275.6	298.8	324.3	343.9	348.3	330.8	298.1	261.7	234.1	232.7
97.5°	217.4	221.0	239.2	266.1	280.6	283.6	271.9	241.4	207.9	183.2	183.2
100°	174.5	176.7	192.7	215.2	230.5	233.4	221.8	194.9	165.8	144.0	142.5
102.5°	141.8	143.2	156.3	176.7	190.5	193.4	183.2	161.4	133.1	115.6	114.9
105°	116.3	117.1	127.2	146.1	159.2	161.4	152.0	133.1	107.6	93.1	92.3
107.5°	95.2	96.0	104.0	121.4	133.8	136.0	128.0	109.1	87.2	77.1	75.6
110°	80.0	80.7	86.5	100.3	112.7	115.6	107.6	90.9	72.0	63.3	63.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	67.6	68.3	72.7	84.3	95.2	98.9	90.9	75.6	60.3	53.8	53.1
115°	57.4	58.2	61.1	71.3	80.0	82.9	77.1	63.3	50.9	45.8	45.8
117.5°	50.2	50.9	52.3	60.3	68.3	70.5	64.7	53.1	42.9	40.0	40.0
120°	44.4	44.4	45.1	50.9	57.4	59.6	54.5	45.1	37.1	34.9	34.9
122.5°	38.5	38.5	39.3	43.6	48.7	50.2	45.8	37.8	32.0	31.3	30.5
125°	34.2	34.2	34.2	37.1	41.4	42.2	38.5	32.0	28.4	27.6	27.6
127.5°	29.8	29.8	29.8	31.3	34.2	34.9	32.0	26.9	24.7	24.0	24.0
130°	26.2	26.2	26.2	26.9	28.4	29.1	26.2	23.3	21.8	21.8	21.8
132.5°	23.3	23.3	22.5	22.5	23.3	23.3	21.8	19.6	18.9	18.9	18.9
135°	20.4	20.4	19.6	18.9	18.9	18.2	16.7	16.0	16.7	16.7	16.7
137.5°	17.4	17.4	16.7	16.0	15.3	14.5	13.8	13.1	13.8	14.5	14.5
140°	14.5	14.5	13.8	12.4	11.6	10.9	10.2	10.9	11.6	12.4	12.4
142.5°	11.6	11.6	11.6	10.2	8.7	8.0	8.0	8.7	9.5	10.2	10.2
145°	9.5	9.5	8.7	8.0	6.5	5.8	5.8	6.5	8.0	8.0	8.0
147.5°	7.3	7.3	6.5	5.8	4.4	3.6	4.4	5.1	5.8	6.5	6.5
150°	5.1	5.1	5.1	4.4	2.9	2.9	2.9	3.6	4.4	4.4	4.4
152.5°	2.9	2.9	2.9	2.9	2.2	1.5	2.2	2.9	2.9	2.9	2.9
155°	2.2	2.2	2.2	2.2	1.5	1.5	1.5	2.2	2.2	2.2	2.2
157.5°	0.7	0.7	0.7	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5
160°	0.0	0.0	0.7	0.7	1.5	1.5	1.5	1.5	0.7	0.7	0.7
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)