

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: P695843

Luminaire Tested: **LXF.LXT-PA16-727-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695843
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-727-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6319 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium
BUG Rating: B3 - U3 - G3

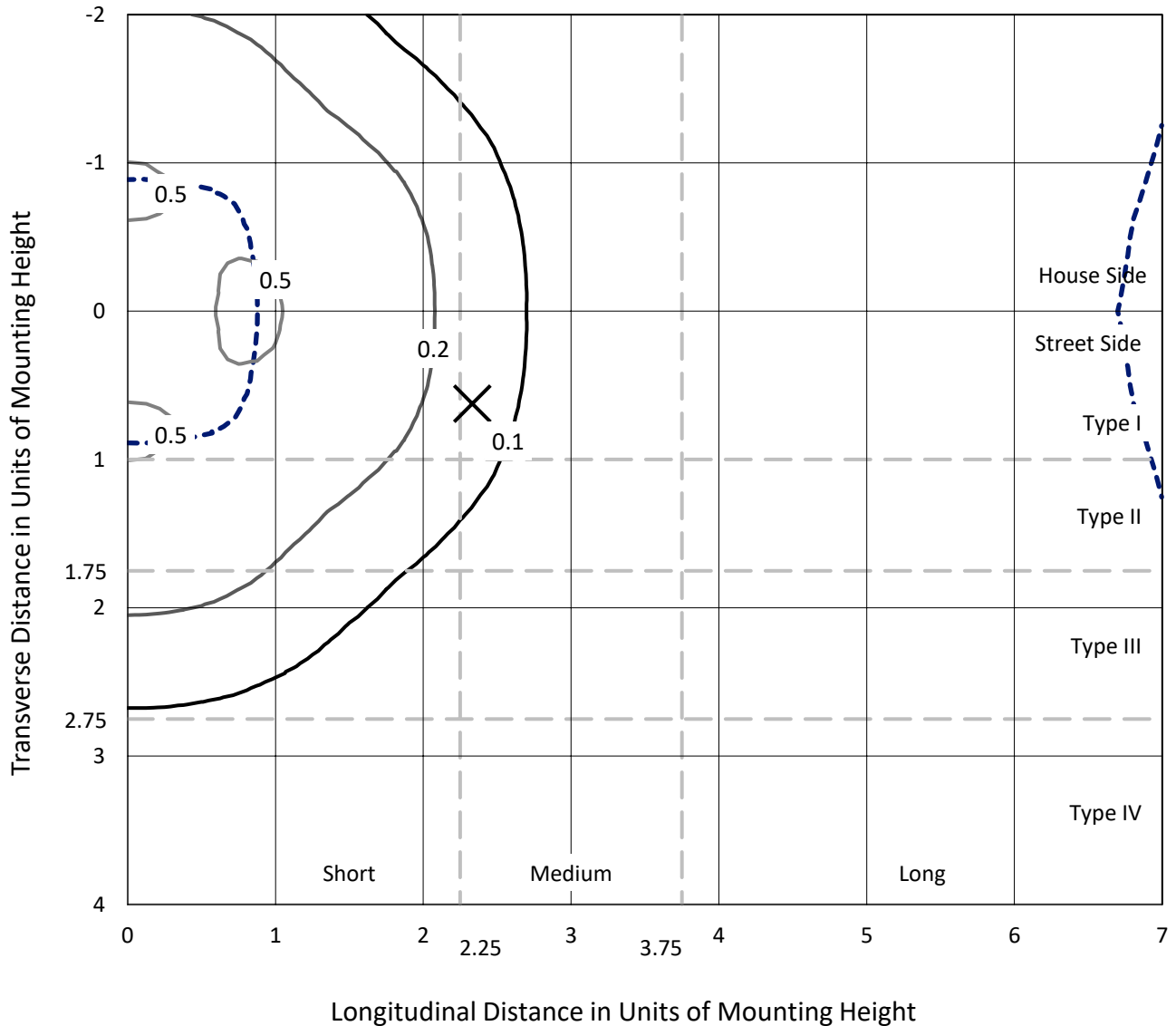
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

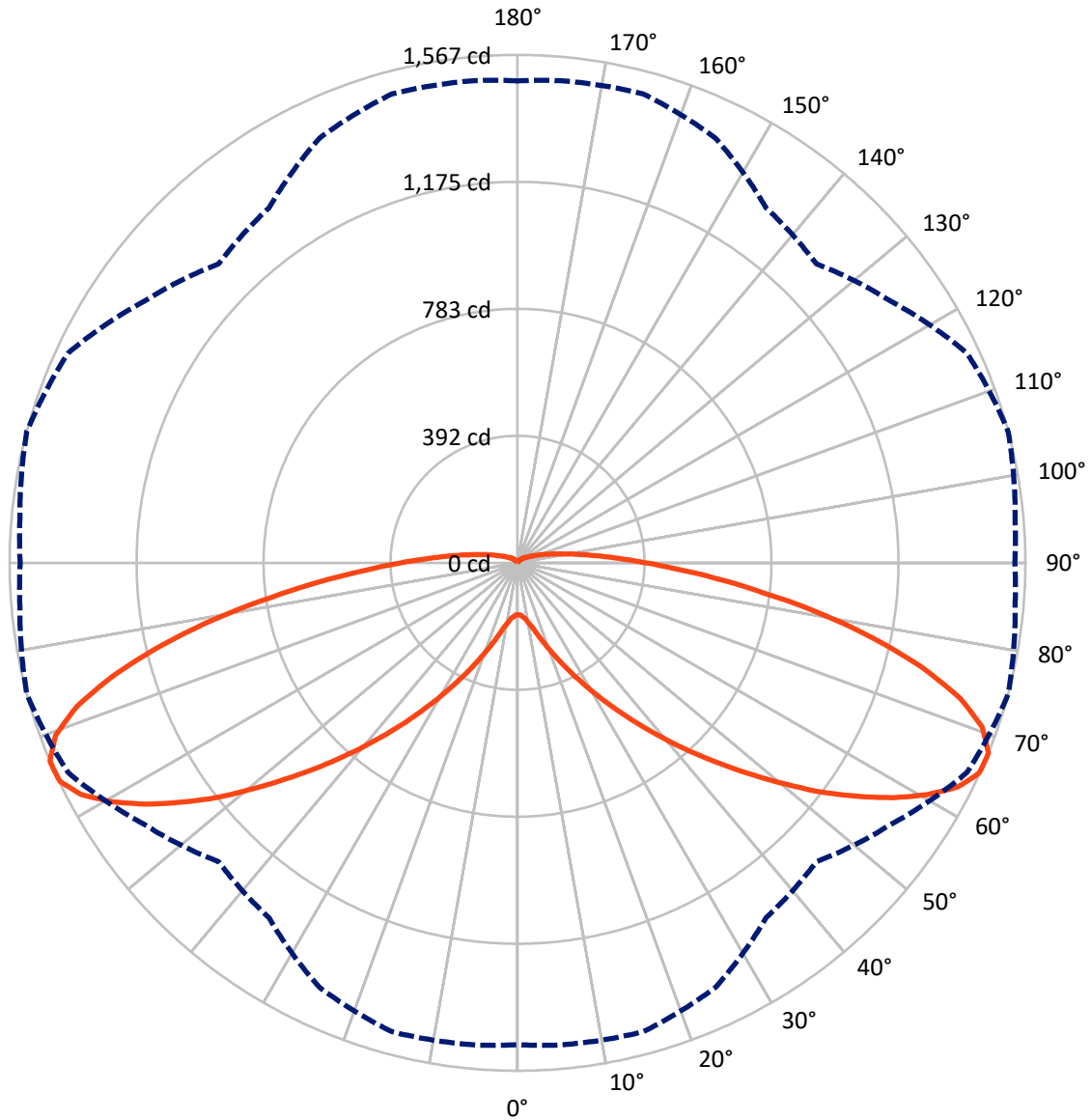
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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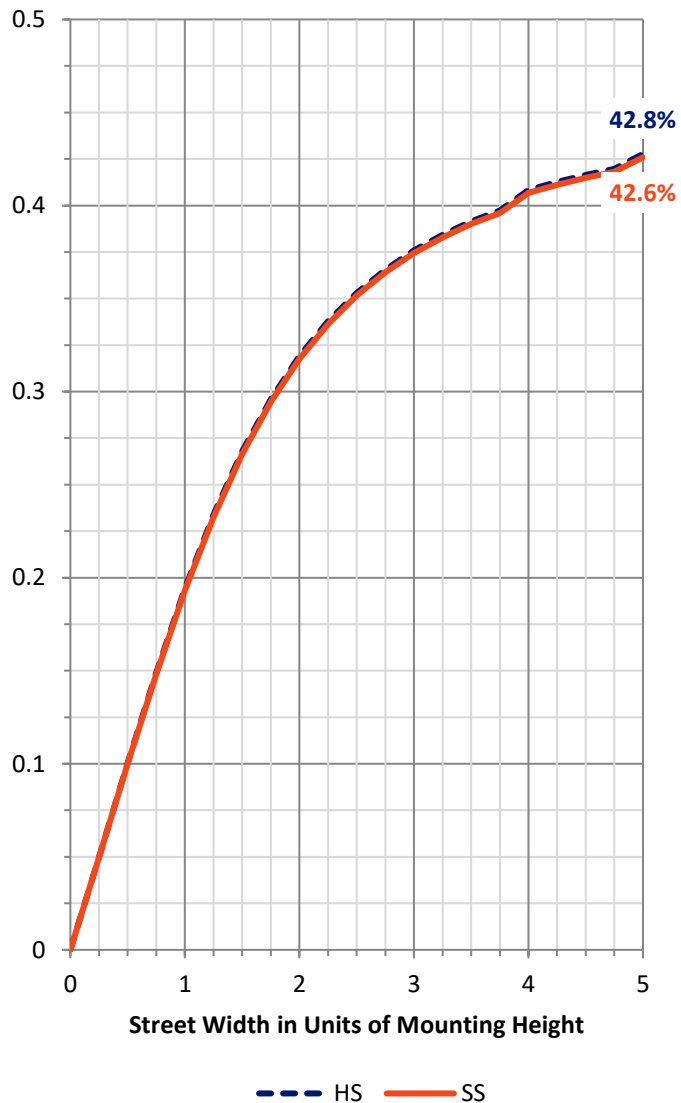
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2883.1	276.4	3159.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	2883.1	276.4	3159.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	5766.2	552.8	6319.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	0.3
10°-20°	67.1	1.1
20°-30°	171.8	2.7
30°-40°	360.2	5.7
40°-50°	657.4	10.4
50°-60°	1064.5	16.8
60°-70°	1416.4	22.4
70°-80°	1290.8	20.4
80°-90°	721.4	11.4
90°-100°	306.8	4.9
100°-110°	132.9	2.1
110°-120°	62.6	1.0
120°-130°	30.8	0.5
130°-140°	14.3	0.2
140°-150°	5.1	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5766.2	91.3
0°-180°	6319.0	100.0

Coefficient of Utilization

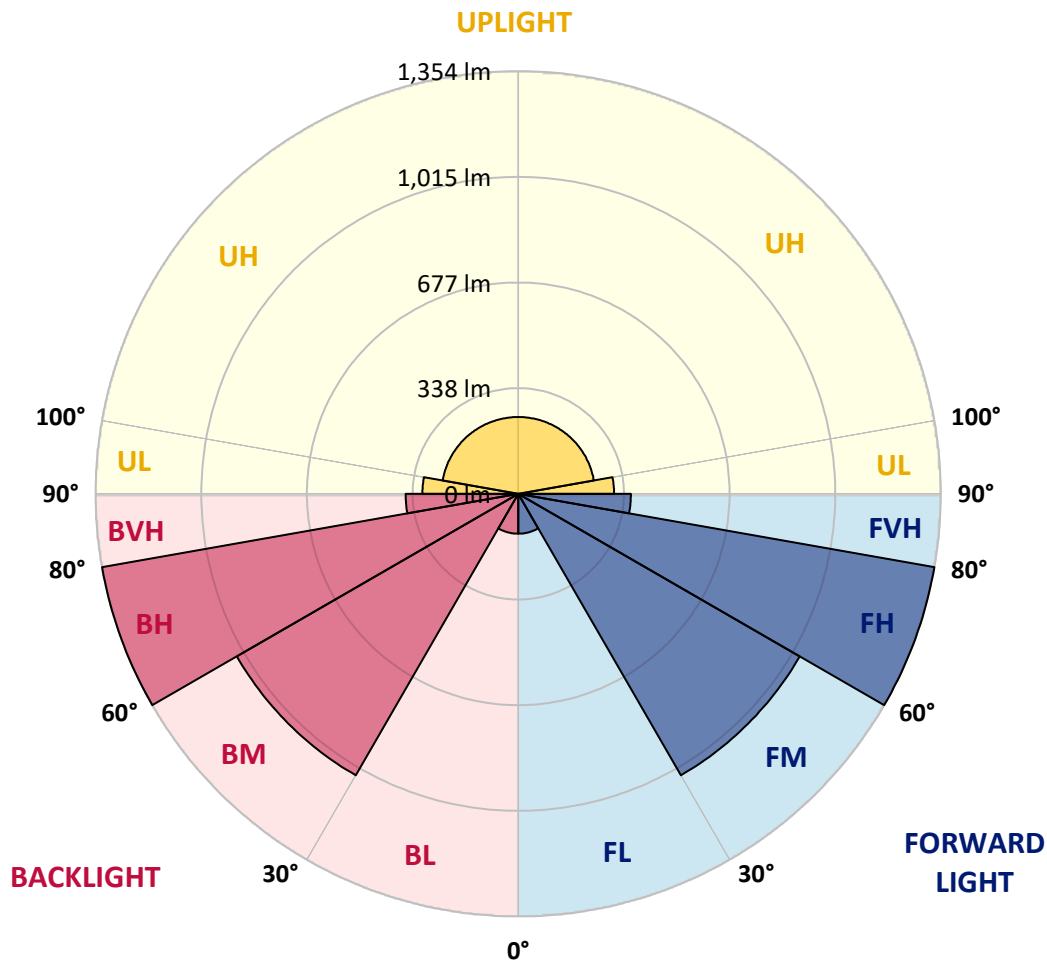


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.7	2.0			
FM (30°-60°)	1041.1	16.5			
FH (60°-80°)	1353.6	21.4			G1/1800
FVH (80°-90°)	360.7	5.7			G3/500
BL (0°-30°)	127.7	2.0	B1/500		
BM (30°-60°)	1041.1	16.5	B2/2500		
BH (60°-80°)	1353.6	21.4	B3/2500		G1/1800
BVH (80°-90°)	360.7	5.7			G3/500
UL (90°-100°)	306.8	4.9		U3/500	
UH (100°-180°)	246.0	3.9		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°	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8	160.8
2.5°	160.8	160.8	160.8	160.8	160.8	163.0	163.0	160.8	160.8	160.8	160.8
5°	165.1	165.1	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3	167.3
7.5°	173.8	173.8	173.8	176.0	176.0	176.0	176.0	173.8	173.8	173.8	176.0
10°	189.0	189.0	186.9	189.0	186.9	186.9	189.0	186.9	189.0	186.9	186.9
12.5°	206.4	206.4	206.4	206.4	204.2	204.2	204.2	204.2	204.2	206.4	206.4
15°	230.3	230.3	230.3	228.1	226.0	223.8	226.0	228.1	228.1	230.3	230.3
17.5°	260.7	260.7	258.6	256.4	254.2	252.0	252.0	254.2	256.4	258.6	258.6
20°	293.3	293.3	291.1	286.8	282.5	284.6	284.6	286.8	289.0	291.1	291.1
22.5°	330.3	328.1	325.9	321.6	319.4	317.2	319.4	319.4	325.9	330.3	328.1
25°	371.5	371.5	367.2	360.7	356.3	356.3	358.5	360.7	367.2	371.5	373.7
27.5°	419.3	415.0	410.6	404.1	397.6	395.4	397.6	406.3	412.8	421.5	419.3
30°	471.5	469.3	460.6	451.9	441.1	436.7	445.4	454.1	465.0	471.5	475.8
32.5°	528.0	528.0	517.1	501.9	488.9	484.5	491.0	508.4	521.5	530.1	536.7
35°	588.8	588.8	575.8	558.4	541.0	532.3	545.4	567.1	584.5	597.5	599.7
37.5°	660.5	656.2	643.1	619.2	591.0	586.6	601.8	627.9	651.8	667.0	667.0
40°	732.2	727.9	714.8	684.4	647.5	641.0	658.3	697.4	725.7	738.7	740.9
42.5°	810.4	803.9	790.9	758.3	712.7	699.6	725.7	771.3	803.9	819.1	819.1
45°	886.5	888.6	869.1	832.2	782.2	762.6	795.2	849.5	888.6	901.7	906.0
47.5°	971.2	973.4	953.8	908.2	851.7	834.3	871.3	929.9	977.7	988.6	992.9
50°	1064.6	1064.6	1049.4	992.9	929.9	906.0	951.7	1027.7	1073.3	1084.2	1086.4
52.5°	1155.9	1153.7	1142.9	1079.8	1008.1	982.1	1034.2	1121.1	1175.5	1177.6	1177.6
55°	1247.2	1245.0	1231.9	1171.1	1086.4	1058.1	1121.1	1218.9	1271.1	1275.4	1277.6
57.5°	1327.5	1327.5	1314.5	1253.7	1160.2	1129.8	1203.7	1312.3	1366.7	1366.7	1366.7
60°	1401.4	1401.4	1394.9	1329.7	1229.8	1197.2	1281.9	1399.2	1451.4	1444.9	1444.9
62.5°	1457.9	1460.1	1455.7	1390.6	1284.1	1253.7	1347.1	1470.9	1523.1	1510.1	1503.5
65°	1490.5	1492.7	1494.8	1434.0	1325.4	1292.8	1390.6	1520.9	1564.4	1544.8	1538.3
67.5°	1486.2	1492.7	1497.0	1444.9	1336.2	1303.6	1405.8	1529.6	1566.5	1540.5	1534.0
70°	1444.9	1453.6	1462.3	1418.8	1318.9	1288.4	1386.2	1501.4	1520.9	1490.5	1479.6
72.5°	1364.5	1366.7	1388.4	1358.0	1271.1	1240.6	1325.4	1423.1	1427.5	1390.6	1377.5
75°	1245.0	1245.0	1273.2	1251.5	1186.3	1160.2	1229.8	1301.5	1288.4	1249.3	1234.1
77.5°	1092.9	1103.7	1127.7	1125.5	1073.3	1060.3	1110.3	1142.9	1123.3	1073.3	1058.1
80°	923.4	932.1	966.9	975.6	945.1	932.1	966.9	977.7	947.3	897.3	884.3
82.5°	767.0	775.7	808.3	832.2	812.6	801.7	819.1	810.4	767.0	723.5	714.8
85°	623.6	625.7	664.9	682.2	682.2	673.5	675.7	651.8	612.7	567.1	554.0
87.5°	497.6	497.6	532.3	558.4	564.9	558.4	551.9	521.5	478.0	441.1	438.9
90°	393.3	395.4	423.7	449.8	460.6	456.3	441.1	410.6	375.9	343.3	338.9
92.5°	312.9	317.2	338.9	365.0	378.1	375.9	358.5	330.3	295.5	269.4	267.2
95°	252.0	252.0	271.6	293.3	308.5	308.5	293.3	265.1	234.7	210.8	208.6
97.5°	199.9	202.1	219.4	239.0	252.0	252.0	239.0	215.1	186.9	167.3	163.0
100°	163.0	163.0	176.0	195.5	208.6	208.6	195.5	173.8	149.9	132.5	130.4
102.5°	130.4	132.5	143.4	160.8	171.6	173.8	163.0	145.6	121.7	106.5	106.5
105°	108.6	108.6	119.5	132.5	143.4	145.6	136.9	119.5	99.9	86.9	84.7
107.5°	89.1	89.1	97.8	113.0	121.7	123.8	115.2	99.9	82.6	71.7	69.5
110°	76.0	73.9	80.4	93.4	104.3	104.3	97.8	84.7	67.4	58.7	58.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	63.0	63.0	67.4	78.2	86.9	91.3	84.7	71.7	56.5	50.0	50.0
115°	54.3	54.3	58.7	67.4	76.0	76.0	71.7	58.7	47.8	43.5	43.5
117.5°	47.8	47.8	50.0	56.5	63.0	65.2	60.8	50.0	41.3	36.9	36.9
120°	41.3	41.3	43.5	47.8	54.3	56.5	52.1	43.5	34.8	32.6	32.6
122.5°	36.9	36.9	36.9	41.3	47.8	47.8	43.5	36.9	30.4	28.2	28.2
125°	32.6	32.6	32.6	34.8	39.1	41.3	36.9	30.4	26.1	26.1	26.1
127.5°	28.2	28.2	28.2	30.4	34.8	34.8	32.6	26.1	23.9	23.9	23.9
130°	26.1	26.1	26.1	26.1	28.2	28.2	26.1	21.7	21.7	21.7	21.7
132.5°	21.7	21.7	21.7	21.7	23.9	23.9	21.7	19.6	17.4	19.6	19.6
135°	19.6	19.6	19.6	19.6	19.6	19.6	17.4	15.2	15.2	17.4	17.4
137.5°	17.4	17.4	17.4	15.2	15.2	15.2	13.0	13.0	15.2	15.2	15.2
140°	15.2	15.2	13.0	13.0	13.0	10.9	10.9	10.9	13.0	13.0	13.0
142.5°	13.0	13.0	10.9	10.9	8.7	8.7	8.7	8.7	10.9	10.9	10.9
145°	8.7	8.7	8.7	8.7	6.5	6.5	6.5	6.5	8.7	8.7	8.7
147.5°	6.5	6.5	6.5	6.5	4.3	4.3	4.3	6.5	6.5	6.5	6.5
150°	4.3	4.3	4.3	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)