

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: P695603

Luminaire Tested: **LXF.LXT-PA16-60-730-U-5WQ-FL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695603
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-PA16-60-730-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA 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: 6181 lumens
Efficiency: N/A
Efficacy: 99.7 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

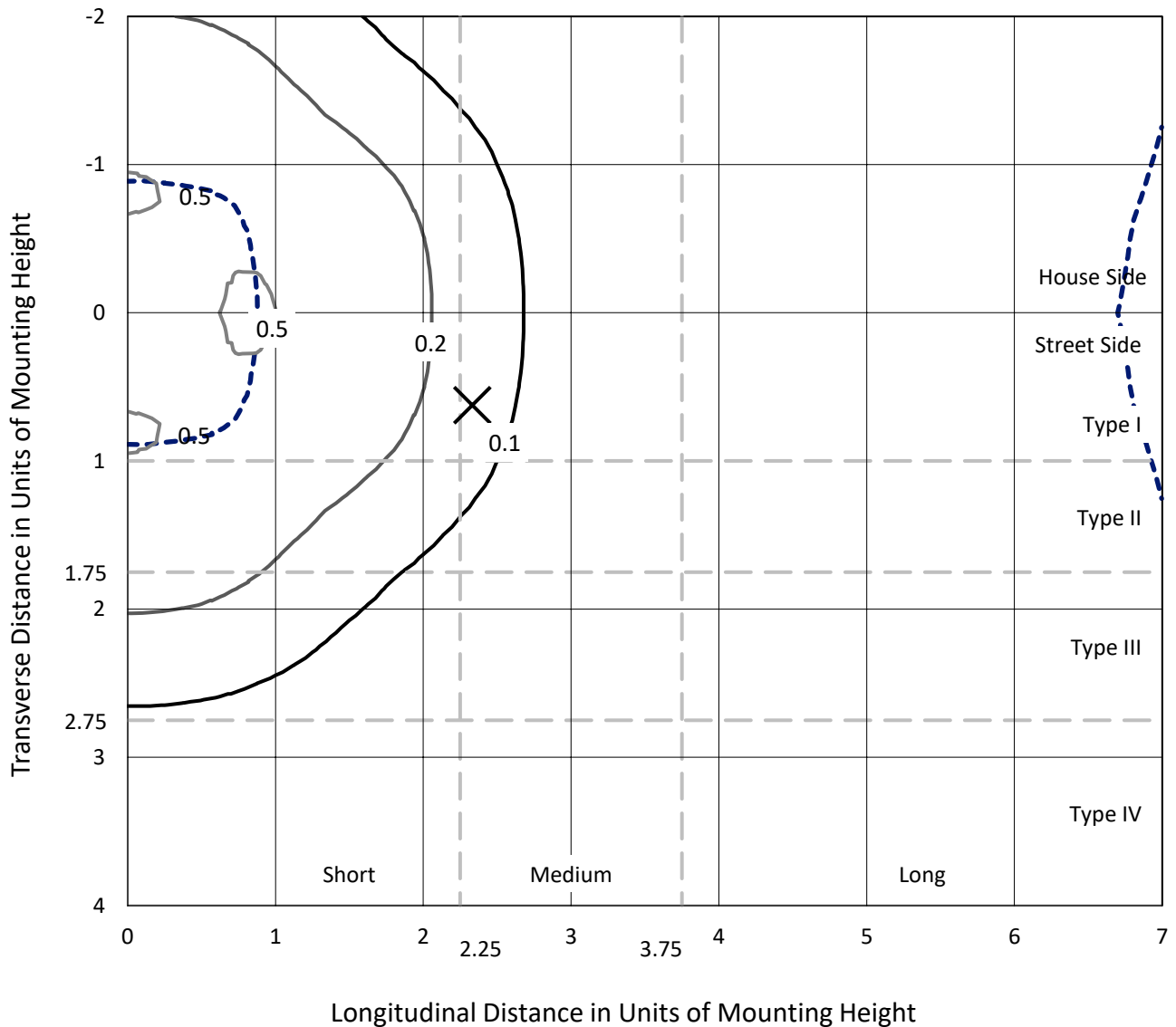
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

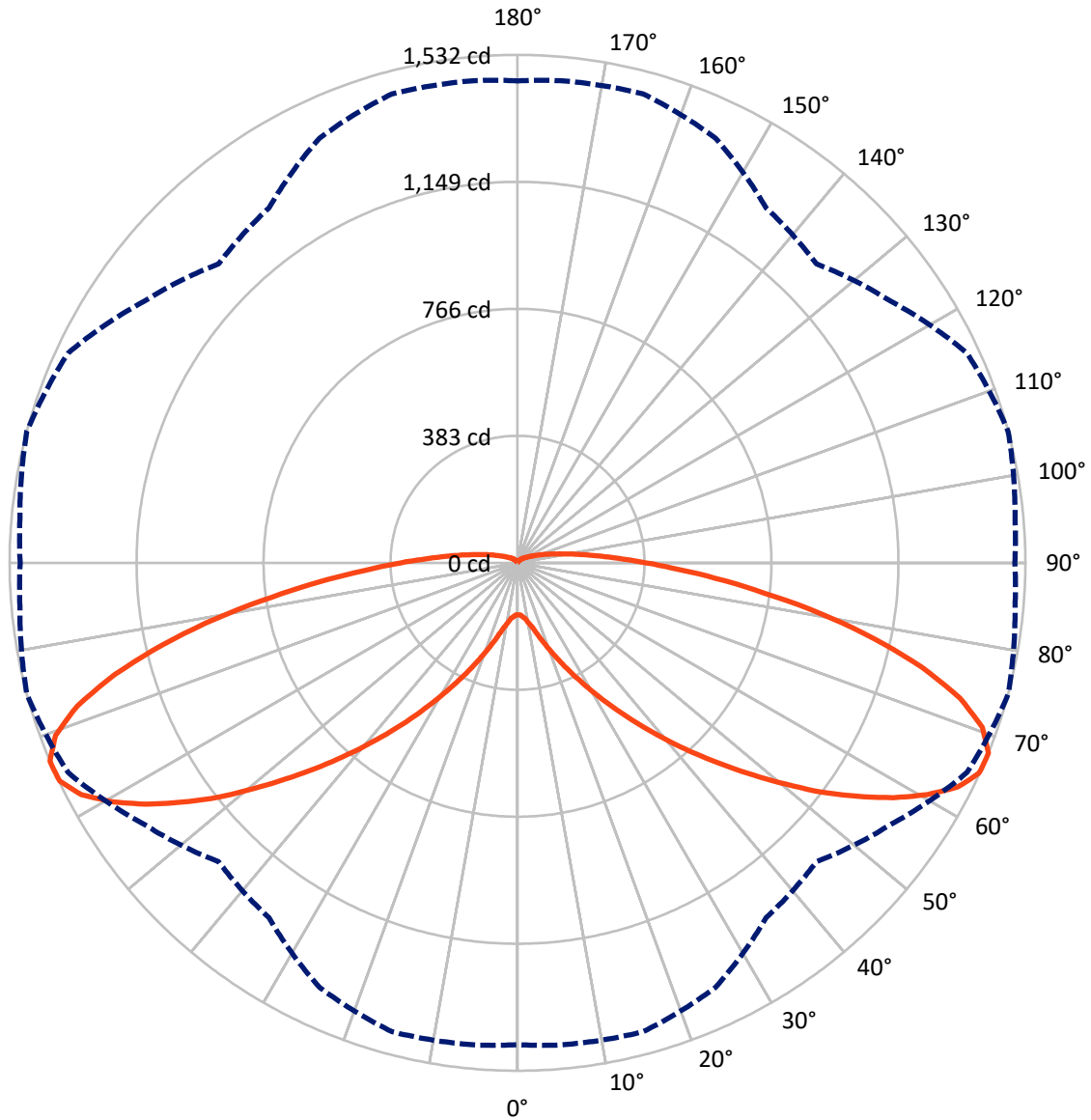
× Max cd
 - - - 1/2 Max cd



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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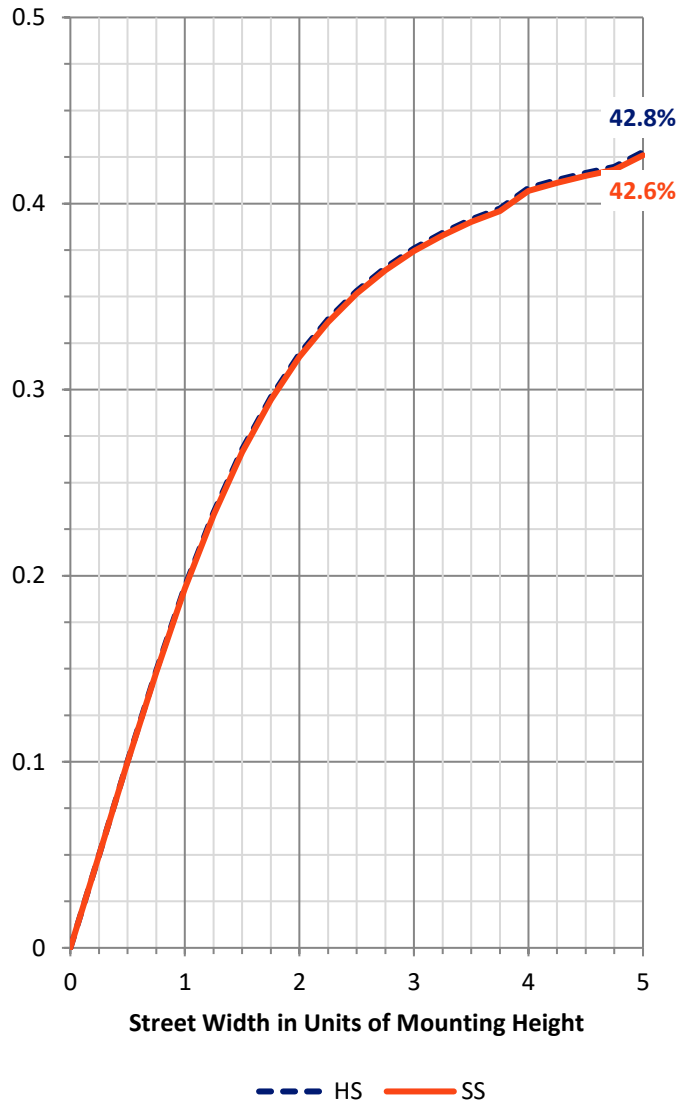
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2820.1	270.4	3090.5
	% Fixture	45.6	4.4	50.0
Street Side	Lumens	2820.1	270.4	3090.5
	% Fixture	45.6	4.4	50.0
Total	Lumens	5640.2	540.8	6181.0
	% Fixture	91.3	8.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.2	0.3
10°-20°	65.7	1.1
20°-30°	168.0	2.7
30°-40°	352.4	5.7
40°-50°	643.1	10.4
50°-60°	1041.2	16.8
60°-70°	1385.4	22.4
70°-80°	1262.6	20.4
80°-90°	705.7	11.4
90°-100°	300.1	4.9
100°-110°	129.9	2.1
110°-120°	61.2	1.0
120°-130°	30.1	0.5
130°-140°	14.0	0.2
140°-150°	5.0	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5640.2	91.3
0°-180°	6181.0	100.0

Coefficient of Utilization

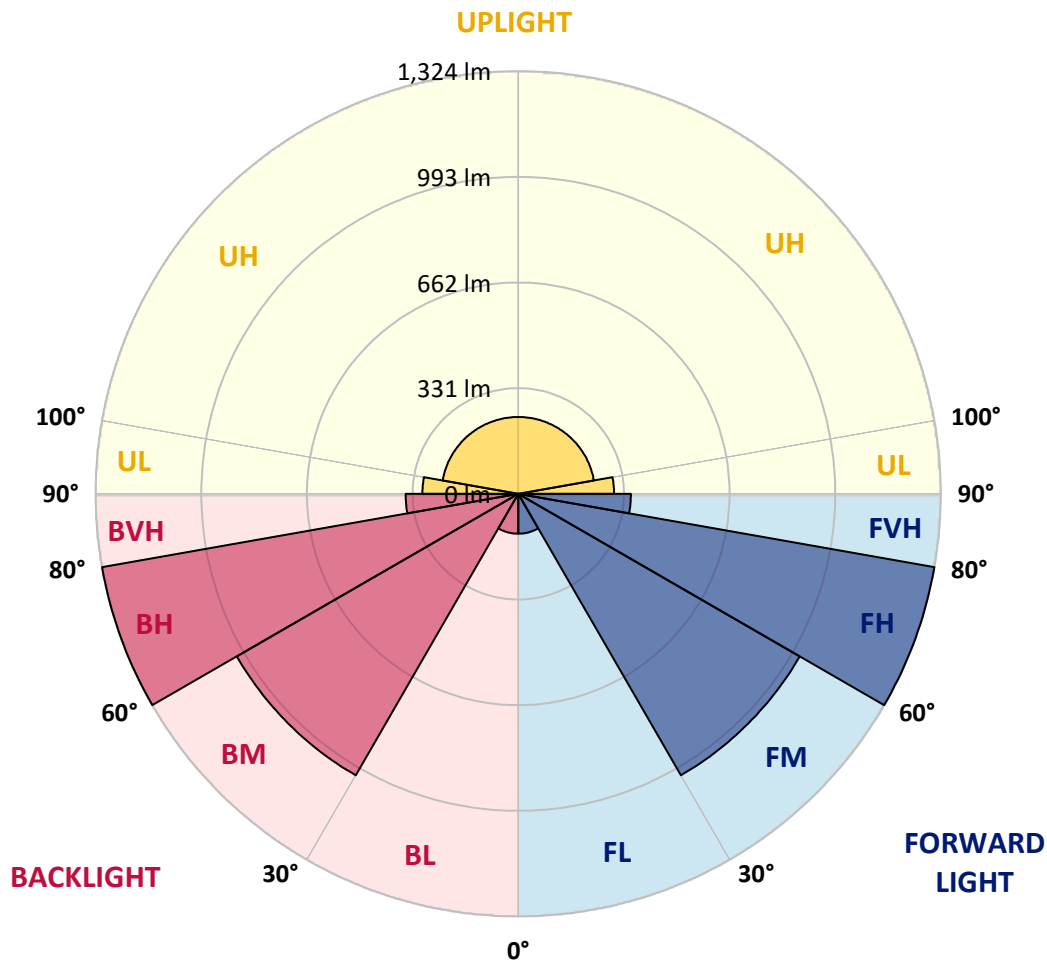


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.9	2.0			
FM (30°-60°)	1018.3	16.5			
FH (60°-80°)	1324.0	21.4			G1/1800
FVH (80°-90°)	352.8	5.7			G3/500
BL (0°-30°)	124.9	2.0	B1/500		
BM (30°-60°)	1018.3	16.5	B2/2500		
BH (60°-80°)	1324.0	21.4	B3/2500		G1/1800
BVH (80°-90°)	352.8	5.7			G3/500
UL (90°-100°)	300.1	4.9		U3/500	
UH (100°-180°)	240.6	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°	157.3	157.3	157.3	157.3	157.3	157.3	157.3	157.3	157.3	157.3	157.3
2.5°	157.3	157.3	157.3	157.3	157.3	159.4	159.4	157.3	157.3	157.3	157.3
5°	161.5	161.5	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6	163.6
7.5°	170.0	170.0	170.0	172.1	172.1	172.1	172.1	170.0	170.0	170.0	172.1
10°	184.9	184.9	182.8	184.9	182.8	182.8	184.9	182.8	184.9	182.8	182.8
12.5°	201.9	201.9	201.9	201.9	199.8	199.8	199.8	199.8	199.8	201.9	201.9
15°	225.3	225.3	225.3	223.2	221.0	218.9	221.0	223.2	223.2	225.3	225.3
17.5°	255.0	255.0	252.9	250.8	248.7	246.5	246.5	248.7	250.8	252.9	252.9
20°	286.9	286.9	284.8	280.5	276.3	278.4	278.4	280.5	282.7	284.8	284.8
22.5°	323.0	320.9	318.8	314.5	312.4	310.3	312.4	312.4	318.8	323.0	320.9
25°	363.4	363.4	359.2	352.8	348.5	348.5	350.7	352.8	359.2	363.4	365.5
27.5°	410.2	405.9	401.7	395.3	388.9	386.8	388.9	397.4	403.8	412.3	410.2
30°	461.2	459.1	450.6	442.1	431.4	427.2	435.7	444.2	454.8	461.2	465.4
32.5°	516.4	516.4	505.8	490.9	478.2	473.9	480.3	497.3	510.1	518.6	524.9
35°	576.0	576.0	563.2	546.2	529.2	520.7	533.4	554.7	571.7	584.5	586.6
37.5°	646.1	641.8	629.1	605.7	578.1	573.8	588.7	614.2	637.6	652.5	652.5
40°	716.2	712.0	699.2	669.5	633.3	627.0	644.0	682.2	709.8	722.6	724.7
42.5°	792.7	786.4	773.6	741.7	697.1	684.3	709.8	754.5	786.4	801.2	801.2
45°	867.1	869.2	850.1	814.0	765.1	746.0	777.9	831.0	869.2	882.0	886.2
47.5°	950.0	952.1	933.0	888.4	833.1	816.1	852.2	909.6	956.4	967.0	971.3
50°	1041.4	1041.4	1026.5	971.3	909.6	886.2	930.9	1005.3	1049.9	1060.5	1062.6
52.5°	1130.7	1128.5	1117.9	1056.3	986.1	960.6	1011.6	1096.6	1149.8	1151.9	1151.9
55°	1219.9	1217.8	1205.0	1145.5	1062.6	1035.0	1096.6	1192.3	1243.3	1247.5	1249.7
57.5°	1298.5	1298.5	1285.8	1226.3	1134.9	1105.1	1177.4	1283.7	1336.8	1336.8	1336.8
60°	1370.8	1370.8	1364.4	1300.7	1202.9	1171.0	1253.9	1368.7	1419.7	1413.3	1413.3
62.5°	1426.1	1428.2	1423.9	1360.2	1256.0	1226.3	1317.7	1438.8	1489.8	1477.1	1470.7
65°	1457.9	1460.1	1462.2	1402.7	1296.4	1264.5	1360.2	1487.7	1530.2	1511.1	1504.7
67.5°	1453.7	1460.1	1464.3	1413.3	1307.1	1275.2	1375.1	1496.2	1532.3	1506.8	1500.5
70°	1413.3	1421.8	1430.3	1387.8	1290.0	1260.3	1355.9	1468.6	1487.7	1457.9	1447.3
72.5°	1334.7	1336.8	1358.1	1328.3	1243.3	1213.5	1296.4	1392.1	1396.3	1360.2	1347.4
75°	1217.8	1217.8	1245.4	1224.2	1160.4	1134.9	1202.9	1273.0	1260.3	1222.0	1207.2
77.5°	1069.0	1079.6	1103.0	1100.9	1049.9	1037.1	1086.0	1117.9	1098.8	1049.9	1035.0
80°	903.2	911.7	945.8	954.3	924.5	911.7	945.8	956.4	926.6	877.7	865.0
82.5°	750.2	758.7	790.6	814.0	794.9	784.2	801.2	792.7	750.2	707.7	699.2
85°	610.0	612.1	650.3	667.3	667.3	658.8	661.0	637.6	599.3	554.7	541.9
87.5°	486.7	486.7	520.7	546.2	552.6	546.2	539.8	510.1	467.6	431.4	429.3
90°	384.7	386.8	414.4	439.9	450.6	446.3	431.4	401.7	367.7	335.8	331.5
92.5°	306.0	310.3	331.5	357.0	369.8	367.7	350.7	323.0	289.0	263.5	261.4
95°	246.5	246.5	265.7	286.9	301.8	301.8	286.9	259.3	229.5	206.2	204.0
97.5°	195.5	197.7	214.7	233.8	246.5	246.5	233.8	210.4	182.8	163.6	159.4
100°	159.4	159.4	172.1	191.3	204.0	204.0	191.3	170.0	146.6	129.6	127.5
102.5°	127.5	129.6	140.3	157.3	167.9	170.0	159.4	142.4	119.0	104.1	104.1
105°	106.3	106.3	116.9	129.6	140.3	142.4	133.9	116.9	97.8	85.0	82.9
107.5°	87.1	87.1	95.6	110.5	119.0	121.1	112.6	97.8	80.8	70.1	68.0
110°	74.4	72.3	78.6	91.4	102.0	102.0	95.6	82.9	65.9	57.4	57.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	61.6	61.6	65.9	76.5	85.0	89.3	82.9	70.1	55.3	48.9	48.9
115°	53.1	53.1	57.4	65.9	74.4	74.4	70.1	57.4	46.8	42.5	42.5
117.5°	46.8	46.8	48.9	55.3	61.6	63.8	59.5	48.9	40.4	36.1	36.1
120°	40.4	40.4	42.5	46.8	53.1	55.3	51.0	42.5	34.0	31.9	31.9
122.5°	36.1	36.1	36.1	40.4	46.8	46.8	42.5	36.1	29.8	27.6	27.6
125°	31.9	31.9	31.9	34.0	38.3	40.4	36.1	29.8	25.5	25.5	25.5
127.5°	27.6	27.6	27.6	29.8	34.0	34.0	31.9	25.5	23.4	23.4	23.4
130°	25.5	25.5	25.5	25.5	27.6	27.6	25.5	21.3	21.3	21.3	21.3
132.5°	21.3	21.3	21.3	21.3	23.4	23.4	21.3	19.1	17.0	19.1	19.1
135°	19.1	19.1	19.1	19.1	19.1	19.1	17.0	14.9	14.9	17.0	17.0
137.5°	17.0	17.0	17.0	14.9	14.9	14.9	12.8	12.8	14.9	14.9	14.9
140°	14.9	14.9	12.8	12.8	12.8	10.6	10.6	10.6	12.8	12.8	12.8
142.5°	12.8	12.8	10.6	10.6	8.5	8.5	8.5	8.5	10.6	10.6	10.6
145°	8.5	8.5	8.5	8.5	6.4	6.4	6.4	6.4	8.5	8.5	8.5
147.5°	6.4	6.4	6.4	6.4	4.3	4.3	4.3	6.4	6.4	6.4	6.4
150°	4.3	4.3	4.3	4.3	4.3	2.1	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)