

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: P695754

Luminaire Tested: **LXF.LXT-PA16-60-827-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-60-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5210 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

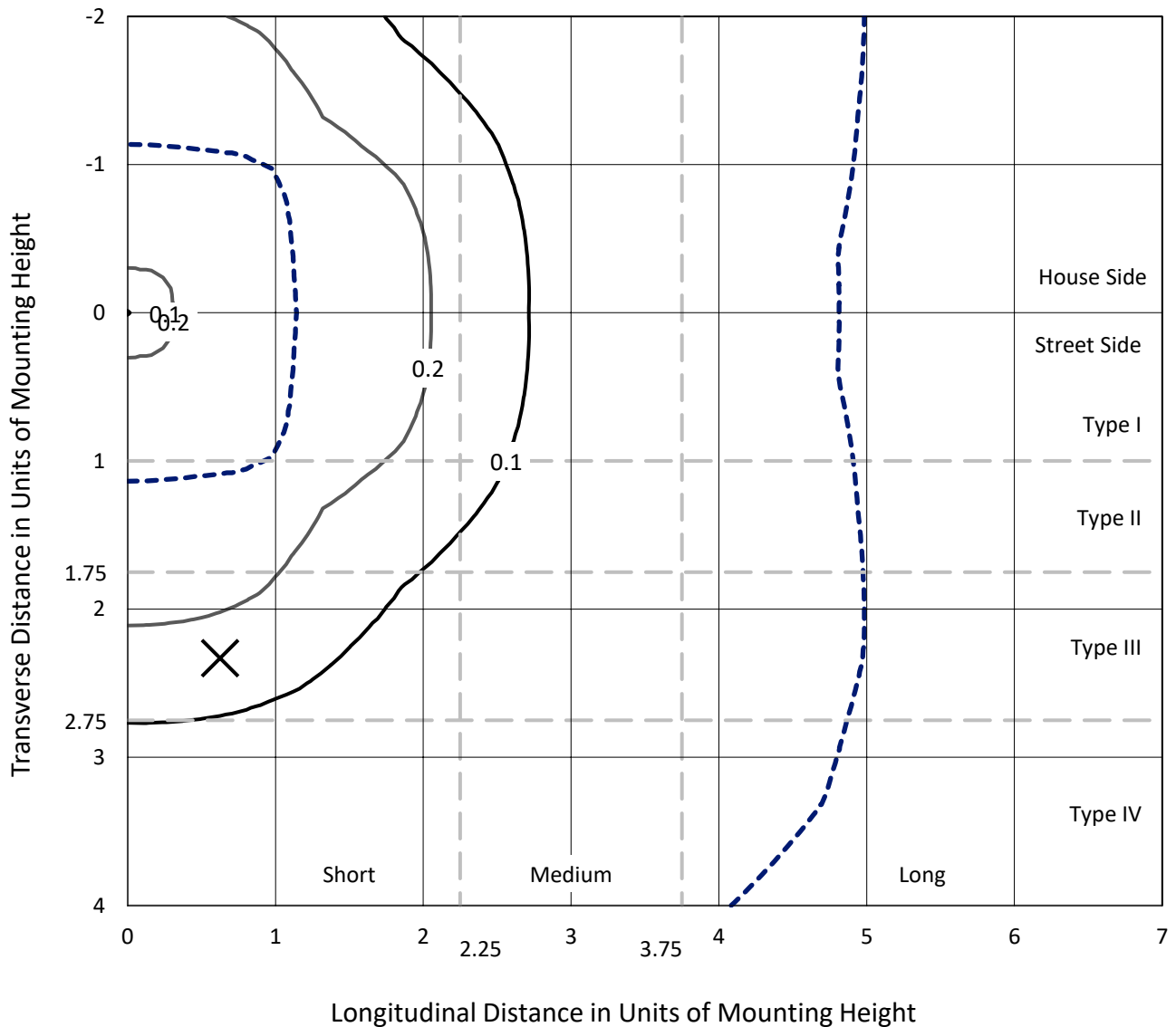
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

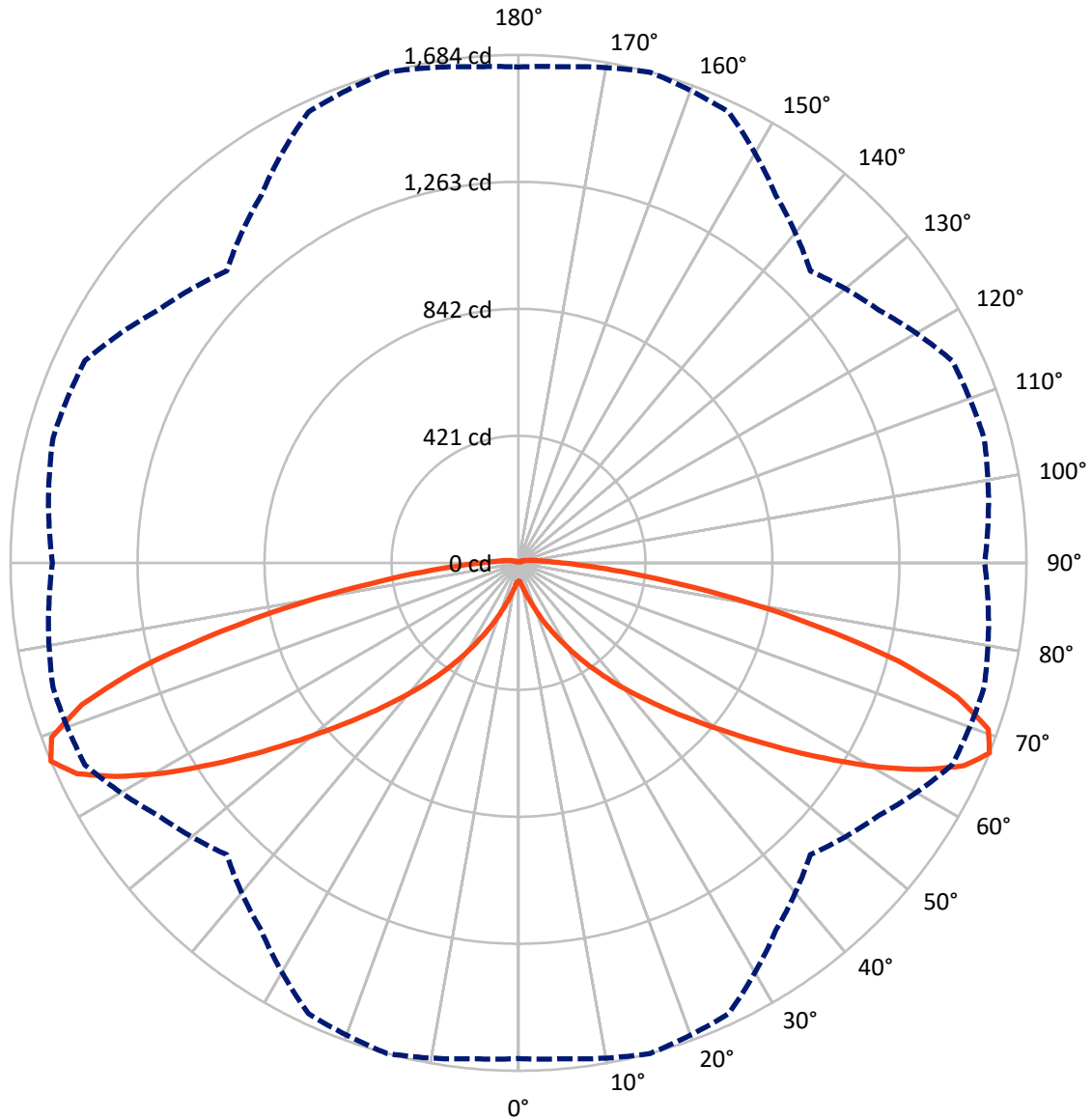
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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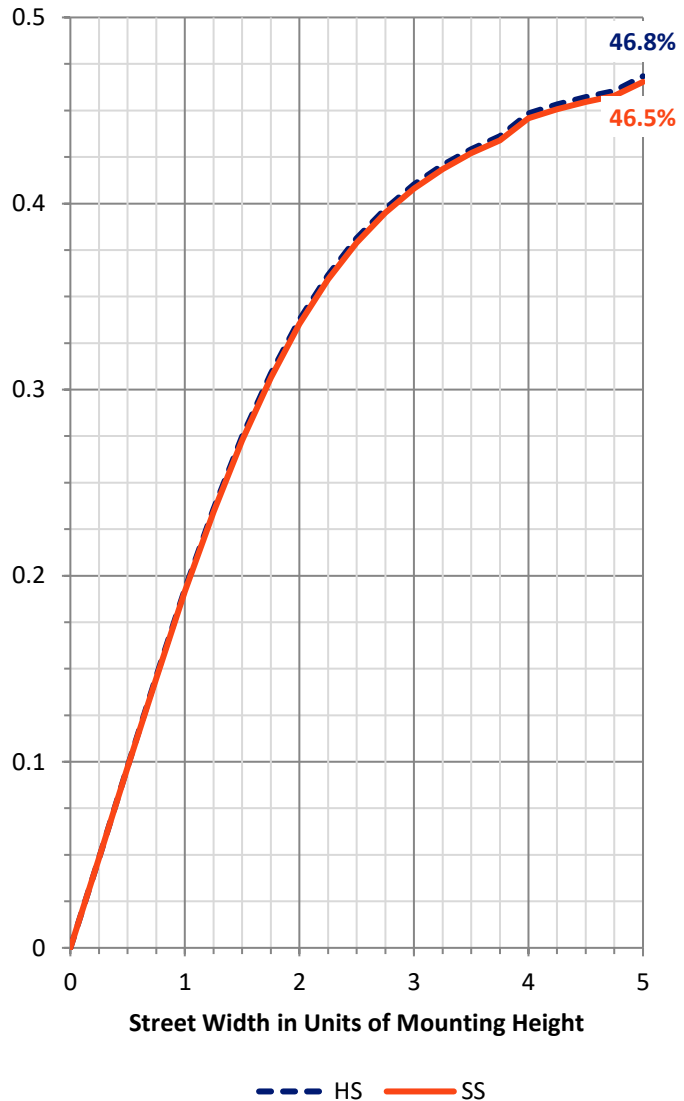
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2521.3	83.7	2605.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	2521.3	83.7	2605.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	5042.5	167.5	5210.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	6.9	0.1
10°-20°	35.3	0.7
20°-30°	111.0	2.1
30°-40°	260.8	5.0
40°-50°	508.5	9.8
50°-60°	930.4	17.9
60°-70°	1462.1	28.1
70°-80°	1289.0	24.7
80°-90°	438.4	8.4
90°-100°	98.2	1.9
100°-110°	37.7	0.7
110°-120°	16.6	0.3
120°-130°	8.3	0.2
130°-140°	4.5	0.1
140°-150°	2.1	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5042.5	96.8
0°-180°	5210.0	100.0

Coefficient of Utilization



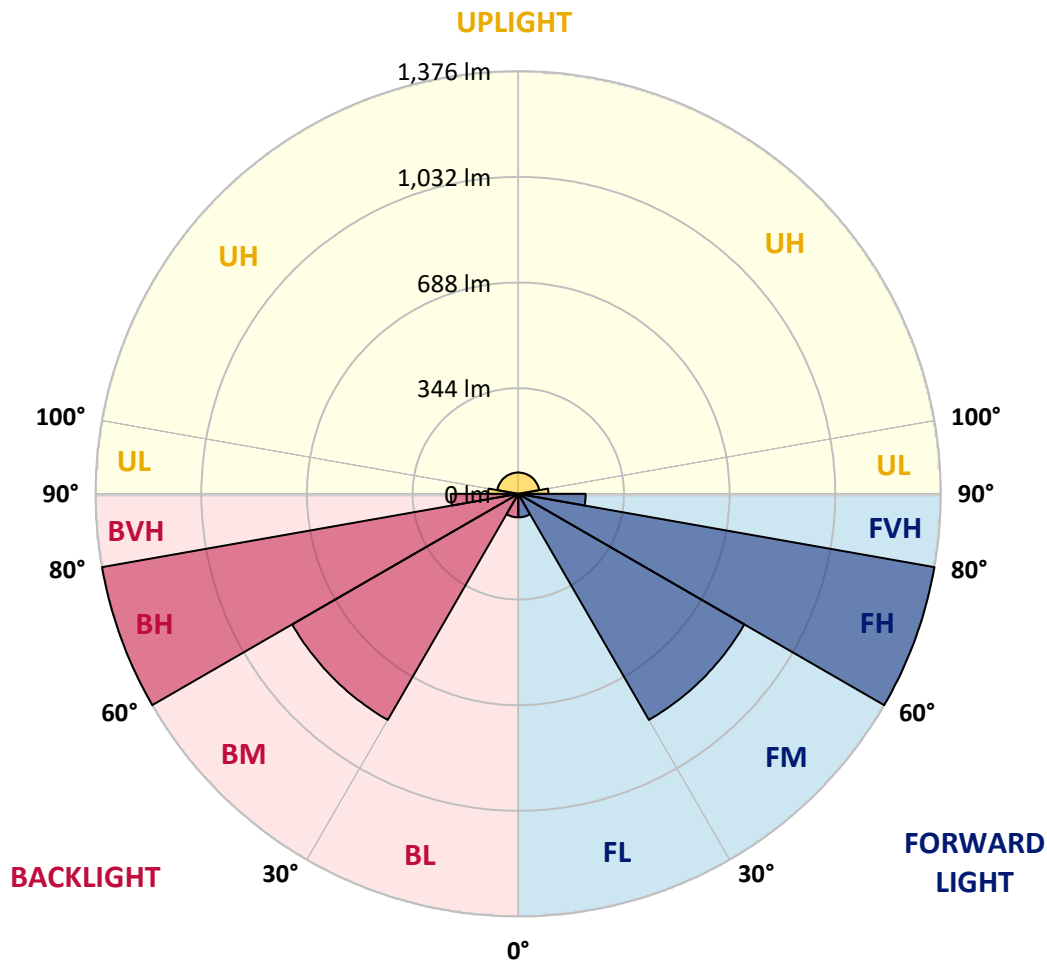
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	76.6	1.5			
FM (30°-60°)	849.9	16.3			
FH (60°-80°)	1375.6	26.4			G1/1800
FVH (80°-90°)	219.2	4.2			G2/225
BL (0°-30°)	76.6	1.5	B0/110		
BM (30°-60°)	849.9	16.3	B1/1000		
BH (60°-80°)	1375.6	26.4	B3/2500		G1/1800
BVH (80°-90°)	219.2	4.2			G2/225
UL (90°-100°)	98.2	1.9		U3/500	
UH (100°-180°)	69.3	1.3		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4	61.4
2.5°	61.4	61.4	61.4	61.4	63.1	63.1	63.1	61.4	61.4	61.4	61.4
5°	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	66.7	64.9
7.5°	73.7	73.7	73.7	73.7	73.7	75.4	73.7	73.7	73.7	73.7	73.7
10°	85.9	85.9	85.9	85.9	84.2	84.2	84.2	84.2	82.4	84.2	82.4
12.5°	101.7	101.7	101.7	100.0	98.2	98.2	98.2	96.5	98.2	98.2	98.2
15°	122.8	122.8	121.0	119.3	115.8	114.0	115.8	115.8	115.8	117.5	117.5
17.5°	145.6	147.3	143.8	140.3	136.8	136.8	135.1	136.8	140.3	142.1	142.1
20°	178.9	177.2	171.9	166.6	161.4	159.6	159.6	164.9	168.4	170.1	171.9
22.5°	212.2	212.2	207.0	196.4	189.4	185.9	187.7	192.9	201.7	208.7	208.7
25°	254.3	250.8	243.8	229.8	219.3	215.7	217.5	226.3	240.3	245.6	249.1
27.5°	296.4	294.7	284.2	268.4	252.6	245.6	250.8	266.6	282.4	292.9	296.4
30°	345.5	343.8	331.5	310.5	289.4	278.9	287.7	307.0	331.5	343.8	347.3
32.5°	399.9	398.2	382.4	354.3	326.2	315.7	326.2	354.3	382.4	398.2	399.9
35°	457.8	452.5	435.0	403.4	366.6	352.6	366.6	403.4	436.7	457.8	459.6
37.5°	515.7	512.2	492.9	456.0	412.2	394.7	410.4	457.8	494.6	519.2	513.9
40°	575.3	573.6	554.3	510.4	461.3	438.5	463.1	510.4	556.0	582.3	584.1
42.5°	643.7	643.7	619.2	573.6	513.9	487.6	513.9	575.3	626.2	647.2	649.0
45°	719.1	713.9	694.6	645.5	577.1	545.5	577.1	645.5	696.3	720.9	719.1
47.5°	798.1	794.6	777.0	727.9	647.2	613.9	645.5	724.4	777.0	794.6	794.6
50°	889.3	885.8	870.0	819.1	731.4	691.1	733.2	812.1	870.0	885.8	880.5
52.5°	994.5	984.0	977.0	927.9	833.2	780.5	826.1	920.9	973.5	977.0	977.0
55°	1098.0	1105.0	1099.8	1047.1	941.9	878.8	934.9	1038.4	1085.7	1092.8	1084.0
57.5°	1229.6	1236.6	1233.1	1178.7	1064.7	989.3	1052.4	1166.4	1206.8	1205.0	1203.3
60°	1375.1	1378.7	1375.1	1327.8	1201.5	1106.8	1182.2	1301.5	1340.1	1329.5	1320.8
62.5°	1503.2	1506.7	1508.5	1473.4	1322.5	1217.3	1294.5	1429.5	1459.3	1441.8	1436.5
65°	1606.7	1604.9	1622.5	1585.6	1426.0	1308.5	1396.2	1538.3	1555.8	1527.7	1519.0
67.5°	1643.5	1650.5	1683.9	1648.8	1487.4	1368.1	1459.3	1585.6	1597.9	1562.8	1545.3
70°	1596.2	1611.9	1652.3	1634.7	1487.4	1376.9	1461.1	1571.6	1566.3	1522.5	1504.9
72.5°	1466.4	1469.9	1520.7	1529.5	1420.8	1329.5	1394.4	1473.4	1447.1	1387.4	1382.2
75°	1236.6	1236.6	1299.7	1338.3	1278.7	1205.0	1255.9	1291.0	1250.6	1180.5	1171.7
77.5°	947.2	957.7	1010.3	1094.5	1080.5	1045.4	1068.2	1075.2	991.0	917.3	919.1
80°	666.5	680.6	736.7	822.6	847.2	845.4	850.7	805.1	726.2	666.5	657.8
82.5°	447.3	440.3	492.9	570.1	627.9	638.5	635.0	571.8	494.6	438.5	431.5
85°	271.9	273.6	315.7	378.9	431.5	457.8	438.5	382.4	312.2	275.4	273.6
87.5°	168.4	171.9	196.4	238.5	292.9	317.5	296.4	247.3	196.4	170.1	168.4
90°	114.0	114.0	129.8	156.1	192.9	217.5	198.2	159.6	129.8	114.0	112.3
92.5°	82.4	85.9	91.2	108.7	135.1	150.8	136.8	108.7	91.2	82.4	80.7
95°	64.9	64.9	70.2	78.9	98.2	108.7	98.2	80.7	70.2	63.1	63.1
97.5°	50.9	52.6	56.1	63.1	75.4	82.4	75.4	63.1	56.1	50.9	49.1
100°	40.3	42.1	45.6	52.6	61.4	64.9	61.4	52.6	45.6	40.3	40.3
102.5°	31.6	33.3	36.8	43.9	50.9	52.6	50.9	42.1	36.8	31.6	31.6
105°	24.6	24.6	29.8	36.8	42.1	43.9	42.1	35.1	29.8	24.6	24.6
107.5°	19.3	19.3	24.6	29.8	35.1	36.8	35.1	29.8	22.8	19.3	19.3
110°	15.8	15.8	19.3	24.6	29.8	31.6	29.8	24.6	19.3	15.8	15.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.3	12.3	15.8	21.0	24.6	26.3	24.6	21.0	15.8	12.3	12.3
115°	10.5	10.5	12.3	17.5	21.0	22.8	21.0	17.5	12.3	10.5	10.5
117.5°	8.8	8.8	10.5	14.0	17.5	19.3	17.5	14.0	10.5	8.8	8.8
120°	8.8	8.8	8.8	12.3	15.8	17.5	15.8	12.3	8.8	8.8	8.8
122.5°	7.0	7.0	8.8	10.5	14.0	14.0	12.3	10.5	8.8	7.0	7.0
125°	7.0	7.0	7.0	8.8	10.5	12.3	10.5	8.8	7.0	7.0	7.0
127.5°	7.0	7.0	7.0	7.0	10.5	10.5	10.5	7.0	7.0	7.0	7.0
130°	5.3	5.3	5.3	7.0	8.8	8.8	8.8	7.0	7.0	5.3	7.0
132.5°	5.3	5.3	5.3	7.0	7.0	8.8	7.0	7.0	5.3	5.3	5.3
135°	5.3	5.3	5.3	5.3	7.0	7.0	7.0	5.3	5.3	5.3	5.3
137.5°	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3	5.3
140°	3.5	3.5	3.5	3.5	5.3	5.3	5.3	3.5	3.5	5.3	3.5
142.5°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
145°	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
147.5°	1.8	3.5	1.8	1.8	1.8	3.5	3.5	3.5	3.5	3.5	3.5
150°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
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)