

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: P695871

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695871
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7036 lumens
Efficiency: N/A
Efficacy: 97.7 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 - G3

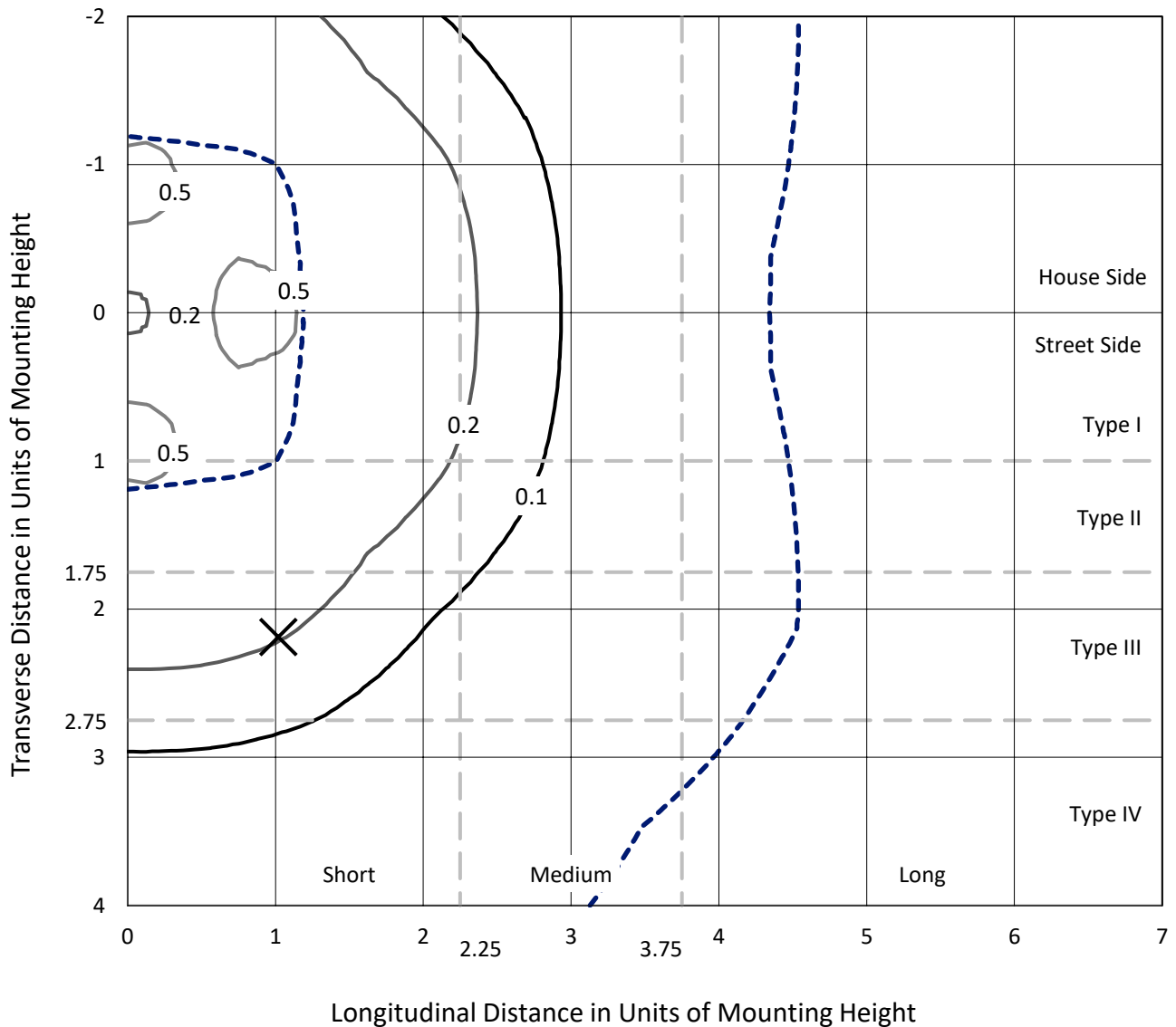
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

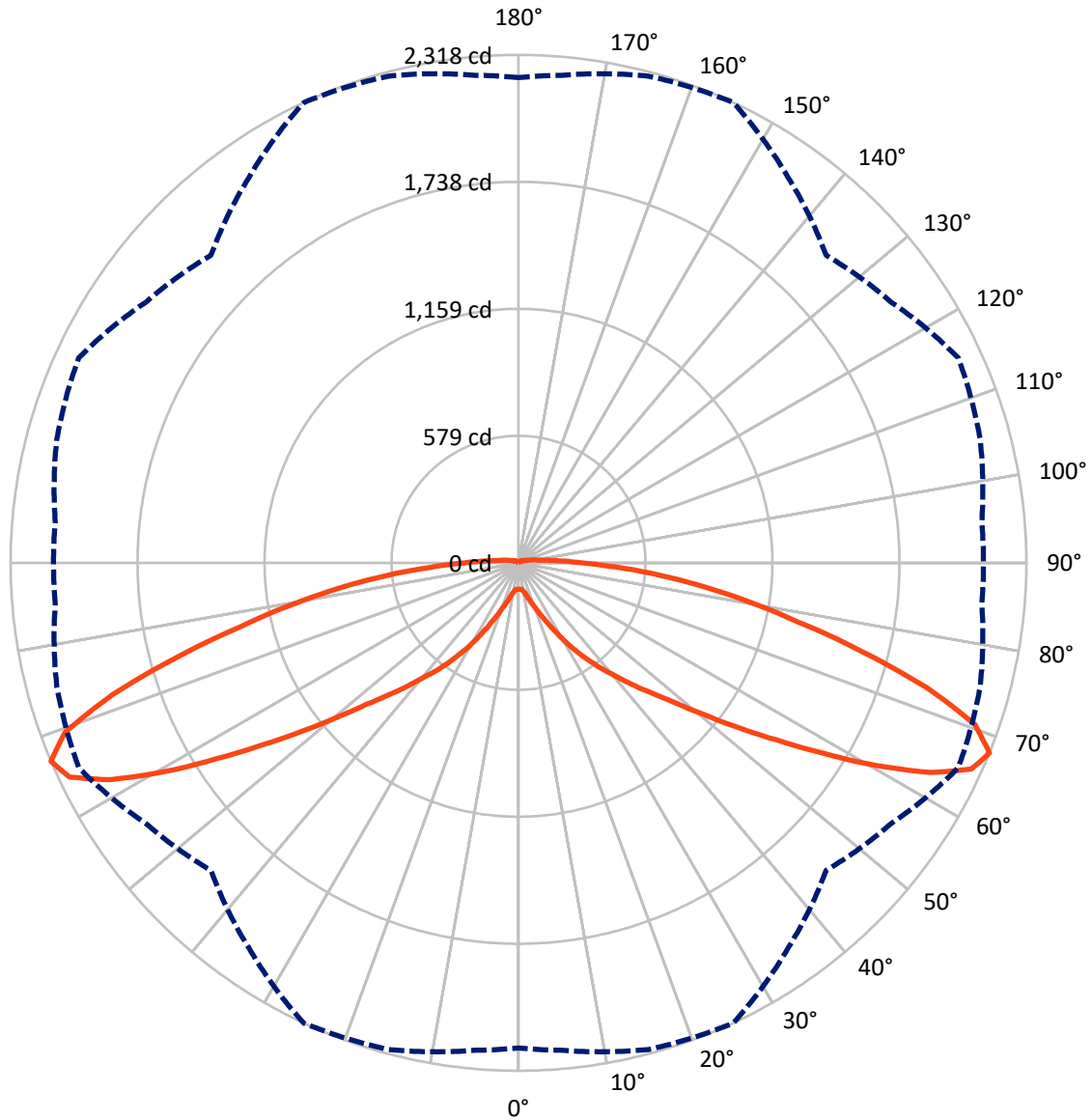
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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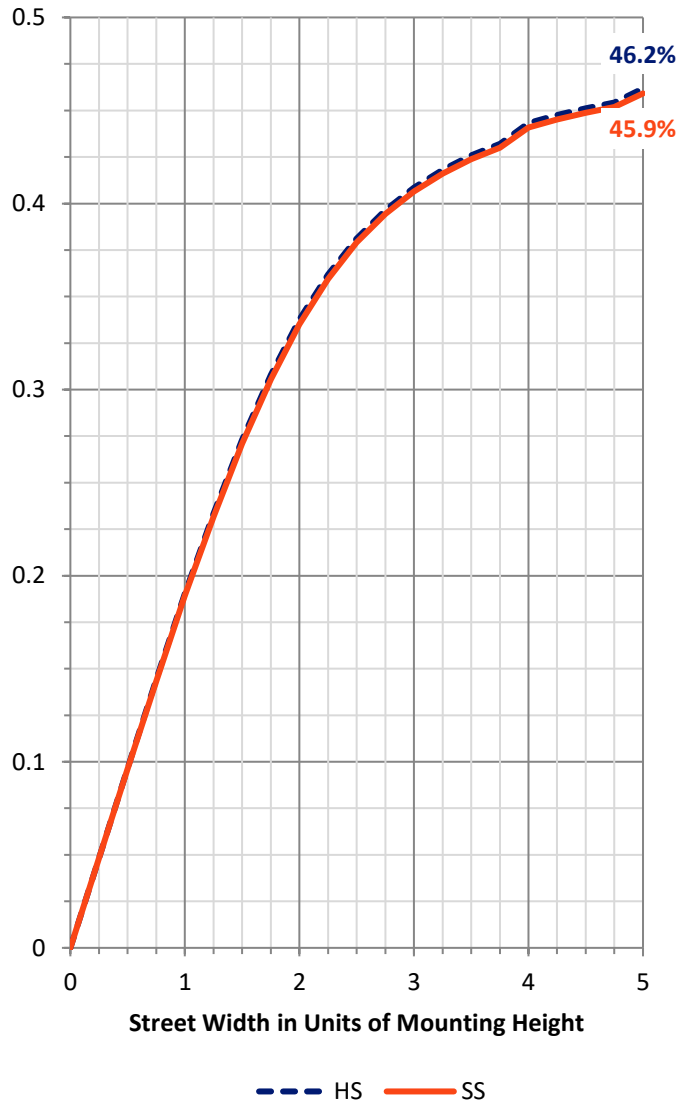
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3391.6	126.4	3518.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3391.6	126.4	3518.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	6783.2	252.8	7036.0
	% Fixture	96.4	3.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.9	0.2
10°-20°	49.5	0.7
20°-30°	147.1	2.1
30°-40°	352.8	5.0
40°-50°	662.6	9.4
50°-60°	1258.4	17.9
60°-70°	2042.8	29.0
70°-80°	1603.9	22.8
80°-90°	654.2	9.3
90°-100°	159.4	2.3
100°-110°	50.1	0.7
110°-120°	21.2	0.3
120°-130°	11.6	0.2
130°-140°	6.9	0.1
140°-150°	3.2	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6783.2	96.4
0°-180°	7036.0	100.0

Coefficient of Utilization



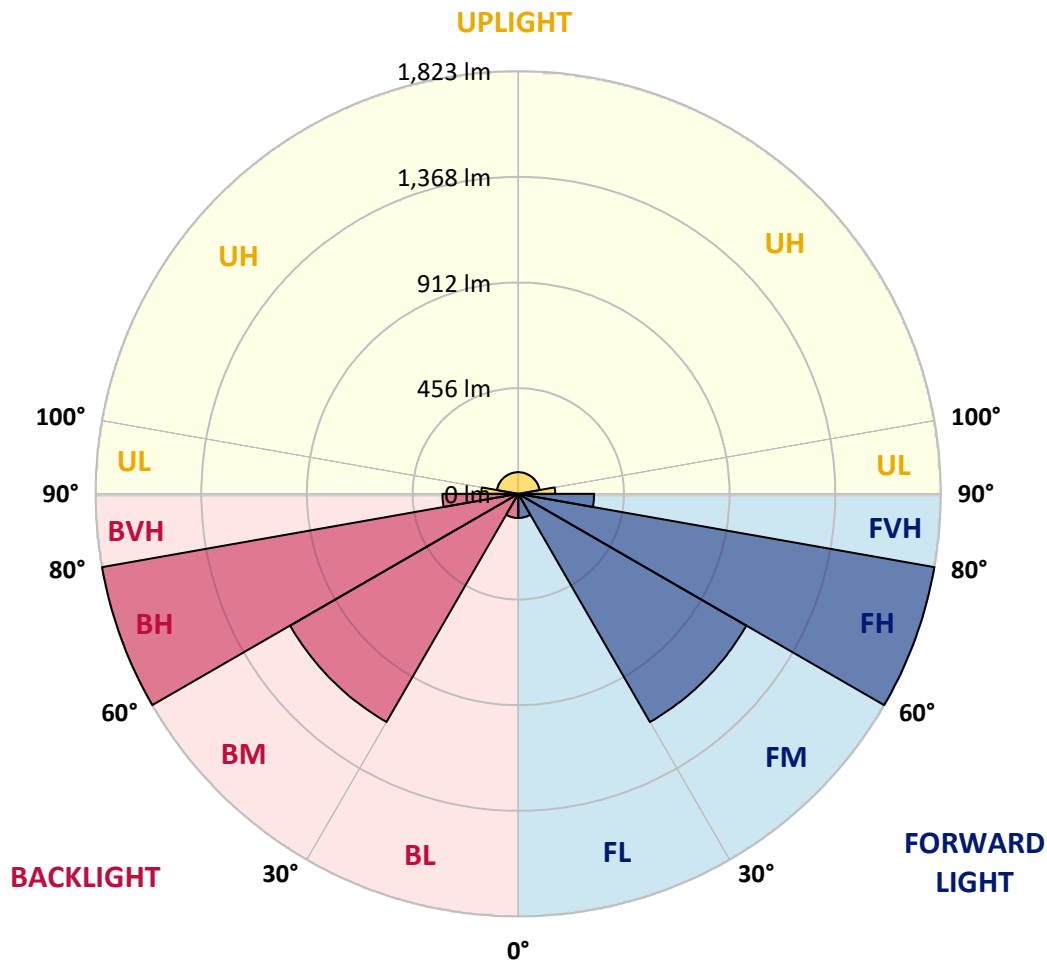
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.3	1.5			
FM (30°-60°)	1136.9	16.2			
FH (60°-80°)	1823.4	25.9			G2/5000
FVH (80°-90°)	327.1	4.6			G3/500
BL (0°-30°)	104.3	1.5	B0/110		
BM (30°-60°)	1136.9	16.2	B2/2500		
BH (60°-80°)	1823.4	25.9	B3/2500		G2/5000
BVH (80°-90°)	327.1	4.6			G3/500
UL (90°-100°)	159.4	2.3		U3/500	
UH (100°-180°)	93.3	1.3		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°	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
2.5°	118.0	118.0	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4	120.4
5°	120.4	120.4	120.4	120.4	122.7	122.7	122.7	120.4	120.4	120.4	120.4
7.5°	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1
10°	134.5	134.5	132.2	134.5	132.2	132.2	132.2	129.8	132.2	132.2	132.2
12.5°	151.0	151.0	148.7	146.3	144.0	141.6	141.6	141.6	144.0	146.3	146.3
15°	174.6	174.6	172.3	167.6	160.5	158.1	160.5	162.8	165.2	169.9	169.9
17.5°	203.0	203.0	198.3	191.2	184.1	181.7	184.1	188.8	193.5	198.3	200.6
20°	238.4	236.0	231.3	219.5	212.4	210.1	212.4	217.1	226.6	233.7	233.7
22.5°	280.9	280.9	271.4	257.3	245.5	243.1	243.1	254.9	266.7	278.5	280.9
25°	332.8	335.1	321.0	299.7	285.6	278.5	283.2	299.7	321.0	335.1	339.9
27.5°	401.2	398.9	380.0	351.7	328.1	316.3	328.1	351.7	382.3	398.9	405.9
30°	472.0	472.0	448.4	413.0	377.6	363.5	380.0	410.7	448.4	474.4	479.1
32.5°	542.8	542.8	514.5	476.7	431.9	410.7	431.9	481.5	531.0	564.1	571.2
35°	618.4	623.1	587.7	540.5	486.2	464.9	490.9	552.3	616.0	651.4	653.8
37.5°	679.7	679.7	656.1	608.9	542.8	516.9	552.3	634.9	701.0	731.6	741.1
40°	760.0	762.3	734.0	675.0	606.6	575.9	620.7	705.7	757.6	771.8	776.5
42.5°	842.6	844.9	821.3	757.6	672.6	639.6	684.4	760.0	807.2	828.4	835.5
45°	920.5	927.5	903.9	842.6	752.9	705.7	745.8	830.8	892.1	915.7	922.8
47.5°	1024.3	1036.1	1010.1	946.4	842.6	785.9	828.4	934.6	1007.8	1026.7	1026.7
50°	1147.0	1158.8	1149.4	1080.9	955.9	885.1	944.1	1062.1	1137.6	1163.5	1161.2
52.5°	1309.9	1314.6	1305.2	1241.4	1097.5	1010.1	1073.9	1217.8	1291.0	1281.6	1293.4
55°	1479.8	1491.6	1498.7	1425.5	1272.1	1163.5	1250.9	1392.5	1446.8	1451.5	1449.1
57.5°	1685.1	1704.0	1696.9	1640.3	1465.6	1352.4	1439.7	1578.9	1656.8	1652.1	1663.9
60°	1904.6	1914.1	1932.9	1878.7	1706.4	1553.0	1649.7	1812.6	1862.1	1826.7	1831.5
62.5°	2081.6	2095.8	2128.8	2107.6	1923.5	1758.3	1859.8	1992.0	2020.3	1984.9	1992.0
65°	2223.2	2235.0	2287.0	2270.4	2091.1	1921.1	2015.6	2150.1	2157.2	2105.2	2100.5
67.5°	2213.8	2232.7	2298.8	2317.7	2145.4	1984.9	2074.6	2213.8	2180.8	2121.8	2121.8
70°	2058.0	2060.4	2140.6	2209.1	2053.3	1904.6	2008.5	2107.6	2076.9	2008.5	1999.0
72.5°	1767.7	1796.1	1888.1	1947.1	1845.6	1727.6	1791.3	1888.1	1786.6	1692.2	1685.1
75°	1427.9	1423.2	1508.1	1621.4	1569.5	1470.4	1545.9	1567.1	1475.1	1394.8	1376.0
77.5°	1139.9	1149.4	1222.5	1309.9	1300.4	1236.7	1258.0	1276.8	1194.2	1109.3	1104.5
80°	908.7	908.7	998.3	1055.0	1057.3	1031.4	1036.1	1024.3	937.0	882.7	873.2
82.5°	679.7	684.4	745.8	819.0	866.2	859.1	842.6	807.2	736.4	677.4	675.0
85°	462.6	472.0	523.9	604.2	672.6	689.2	679.7	599.5	512.1	455.5	448.4
87.5°	304.5	311.5	342.2	405.9	495.6	540.5	502.7	415.4	342.2	311.5	302.1
90°	205.3	210.1	228.9	264.3	346.9	394.1	351.7	273.8	224.2	203.0	203.0
92.5°	139.2	141.6	155.8	179.4	233.7	273.8	236.0	181.7	151.0	136.9	134.5
95°	94.4	96.8	106.2	122.7	160.5	184.1	160.5	120.4	106.2	96.8	94.4
97.5°	73.2	75.5	80.2	89.7	113.3	127.4	110.9	89.7	80.2	75.5	73.2
100°	59.0	59.0	66.1	70.8	82.6	92.0	82.6	68.4	63.7	59.0	59.0
102.5°	47.2	49.6	51.9	56.6	66.1	73.2	66.1	54.3	49.6	47.2	47.2
105°	37.8	37.8	40.1	44.8	51.9	56.6	51.9	44.8	40.1	37.8	35.4
107.5°	30.7	28.3	33.0	37.8	42.5	47.2	42.5	35.4	30.7	28.3	28.3
110°	23.6	23.6	26.0	30.7	35.4	37.8	35.4	28.3	26.0	23.6	23.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.9	18.9	21.2	23.6	30.7	33.0	28.3	23.6	21.2	18.9	18.9
115°	16.5	16.5	16.5	21.2	26.0	28.3	26.0	18.9	16.5	16.5	16.5
117.5°	14.2	14.2	14.2	16.5	21.2	23.6	21.2	16.5	14.2	14.2	14.2
120°	14.2	14.2	14.2	14.2	18.9	21.2	18.9	14.2	14.2	14.2	14.2
122.5°	11.8	11.8	11.8	14.2	16.5	18.9	16.5	14.2	11.8	11.8	11.8
125°	11.8	11.8	11.8	11.8	14.2	16.5	14.2	11.8	11.8	11.8	11.8
127.5°	9.4	9.4	9.4	11.8	14.2	14.2	14.2	11.8	9.4	9.4	9.4
130°	9.4	9.4	9.4	9.4	11.8	11.8	11.8	9.4	9.4	9.4	9.4
132.5°	9.4	9.4	9.4	9.4	11.8	11.8	11.8	9.4	9.4	9.4	9.4
135°	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4	9.4
137.5°	7.1	7.1	7.1	7.1	7.1	9.4	7.1	7.1	7.1	7.1	7.1
140°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
142.5°	7.1	7.1	4.7	4.7	7.1	7.1	4.7	4.7	4.7	7.1	7.1
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
150°	2.4	2.4	2.4	2.4	2.4	4.7	2.4	2.4	2.4	2.4	2.4
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)