

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: P695604

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695604
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-PA16-60-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 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: 6313 lumens
Efficiency: N/A
Efficacy: 101.8 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

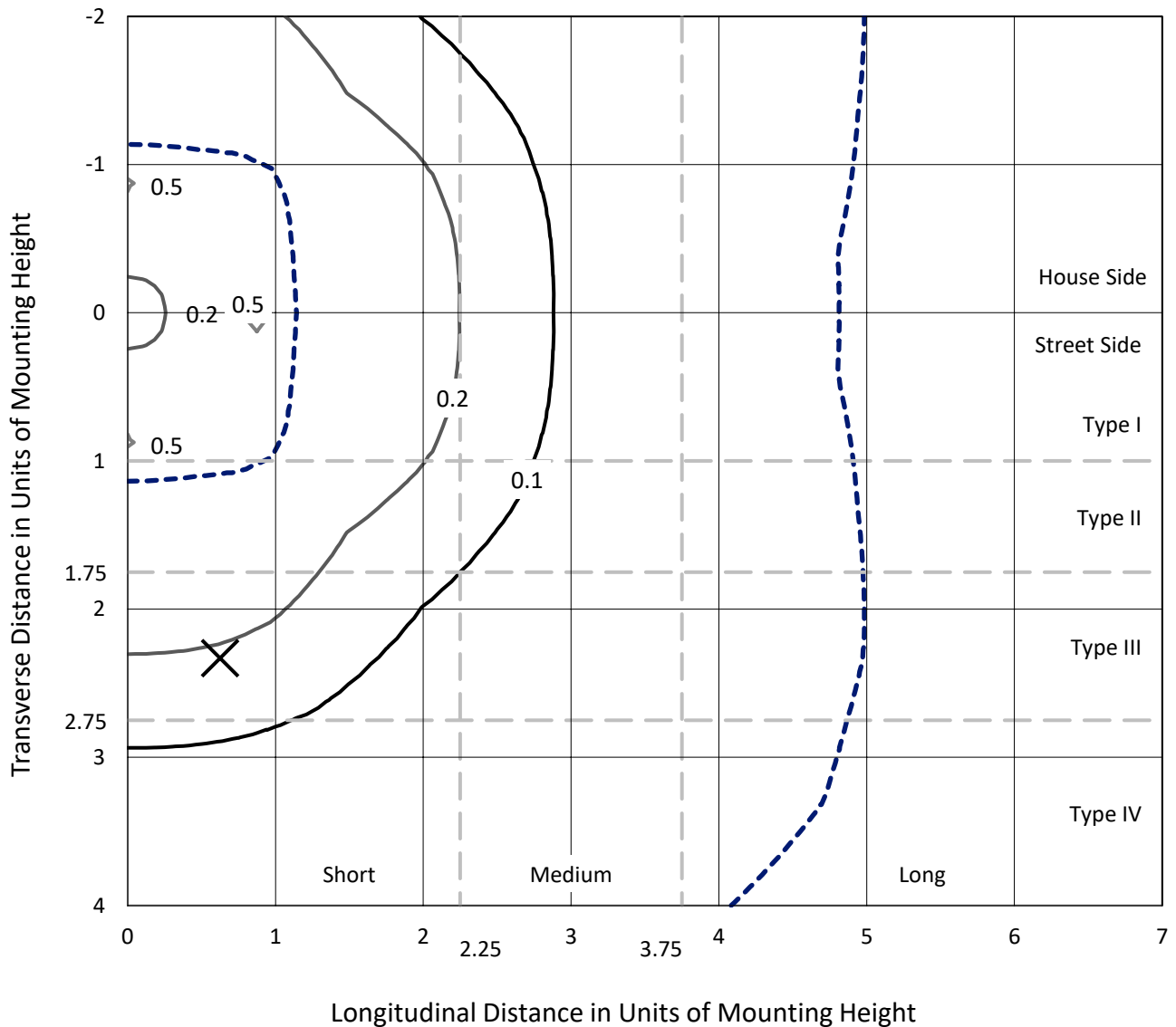
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

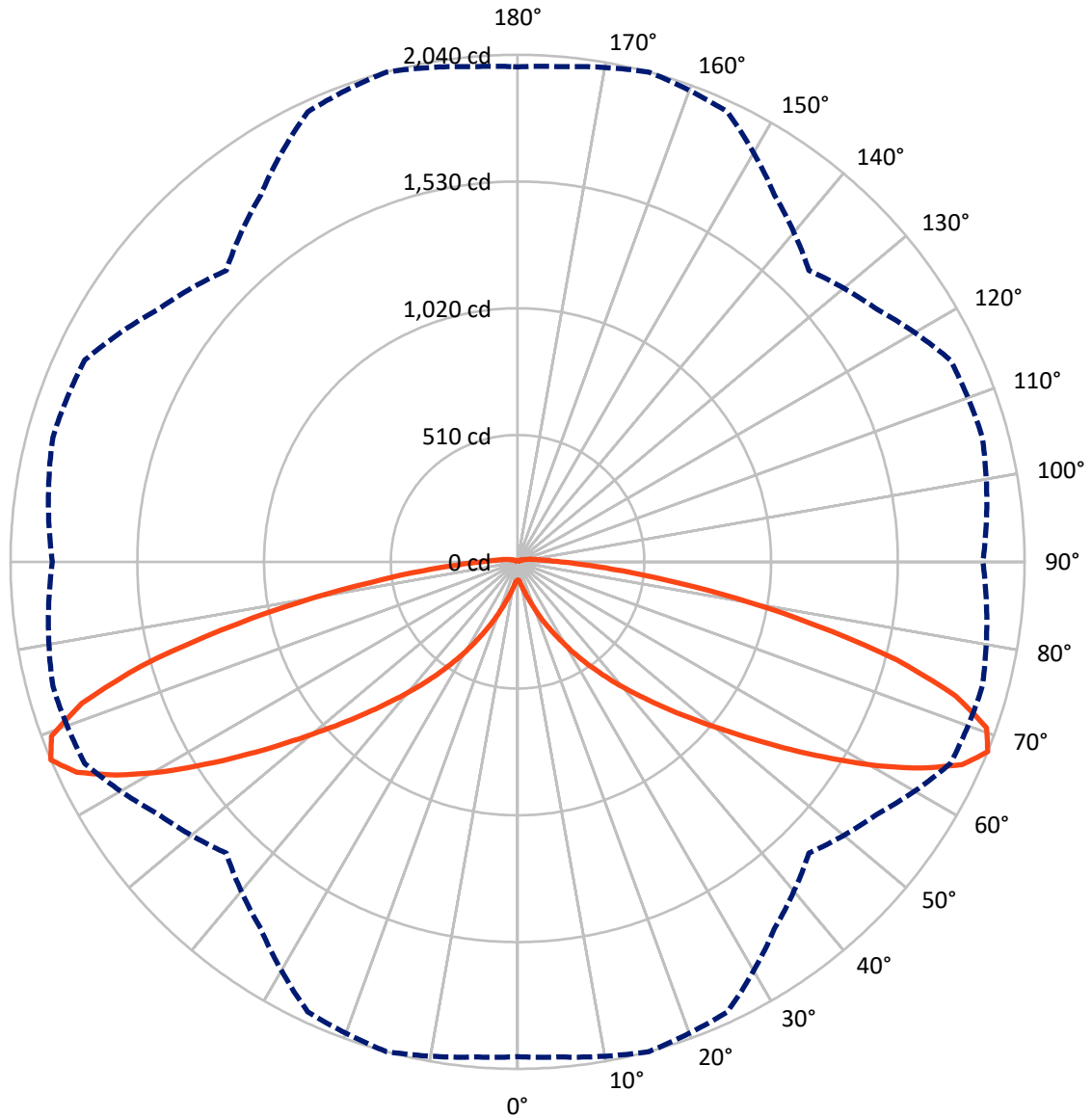
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - 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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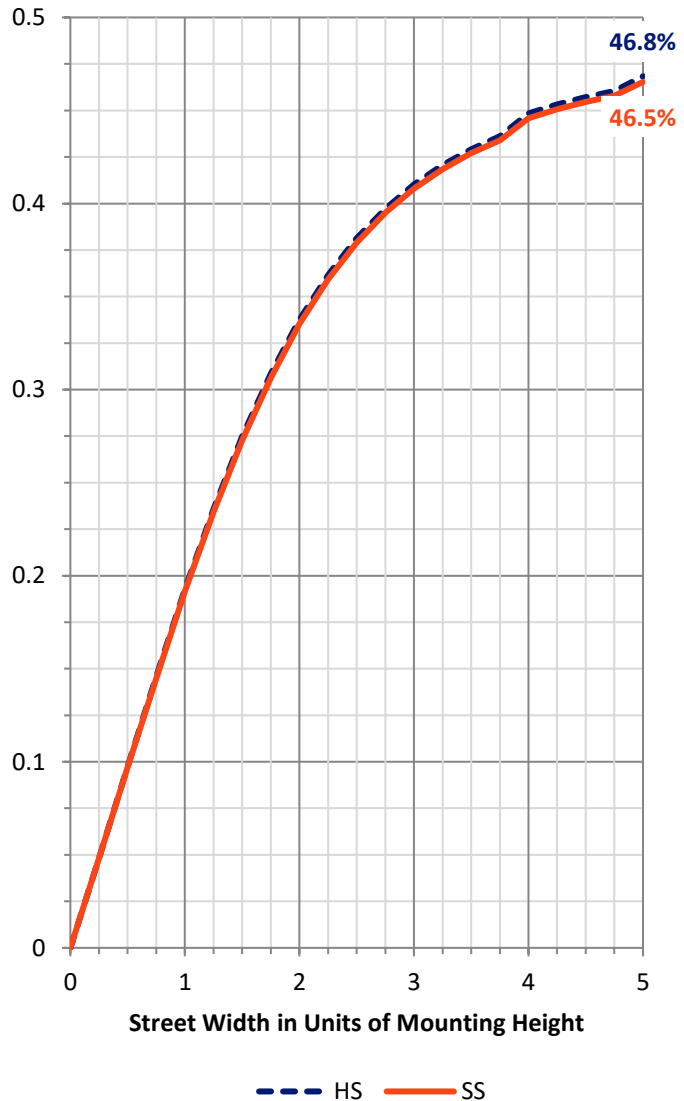
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3055.0	101.5	3156.5
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	3055.0	101.5	3156.5
	% Fixture	48.4	1.6	50.0
Total	Lumens	6110.1	203.0	6313.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	42.8	0.7
20°-30°	134.4	2.1
30°-40°	316.0	5.0
40°-50°	616.2	9.8
50°-60°	1127.4	17.9
60°-70°	1771.6	28.1
70°-80°	1561.9	24.7
80°-90°	531.3	8.4
90°-100°	119.0	1.9
100°-110°	45.6	0.7
110°-120°	20.1	0.3
120°-130°	10.1	0.2
130°-140°	5.5	0.1
140°-150°	2.5	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6110.1	96.8
0°-180°	6313.0	100.0

Coefficient of Utilization



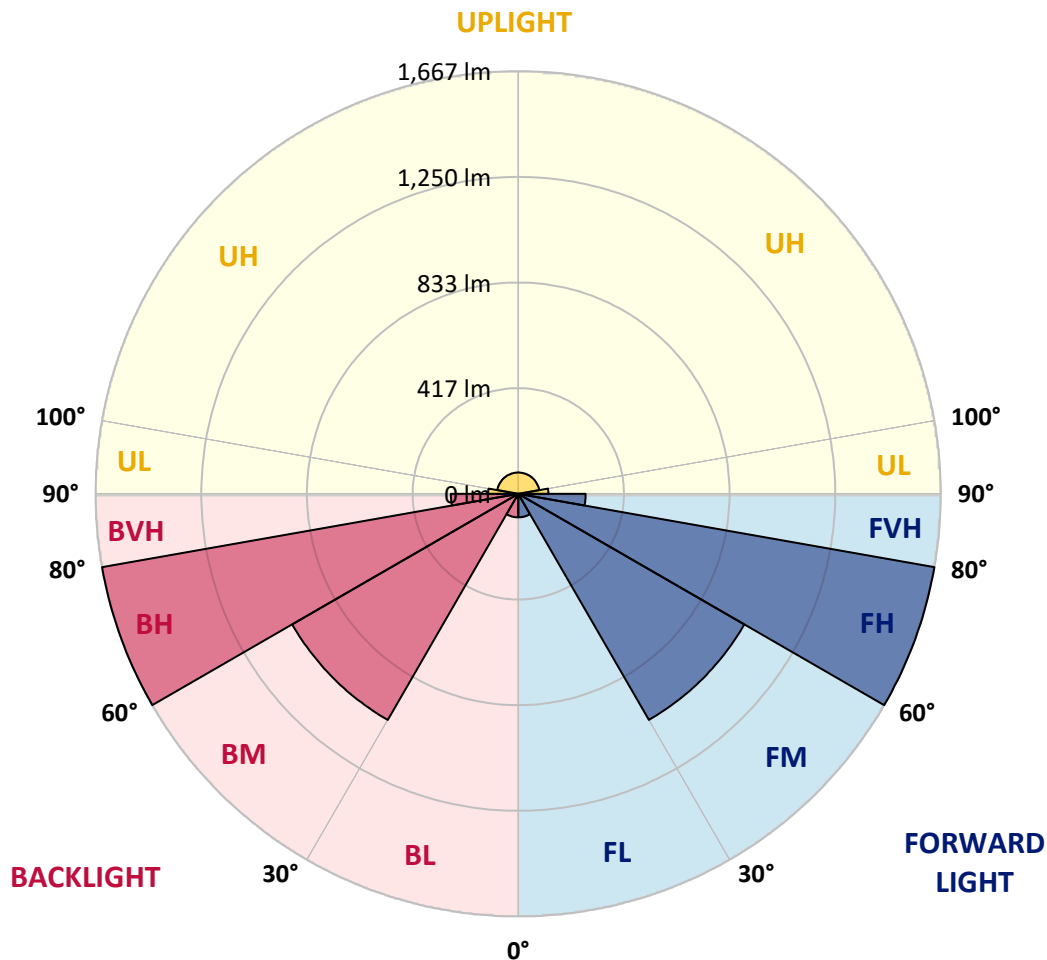
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	92.8	1.5			
FM (30°-60°)	1029.8	16.3			
FH (60°-80°)	1666.8	26.4			G1/1800
FVH (80°-90°)	265.6	4.2			G3/500
BL (0°-30°)	92.8	1.5	B0/110		
BM (30°-60°)	1029.8	16.3	B2/2500		
BH (60°-80°)	1666.8	26.4	B3/2500		G1/1800
BVH (80°-90°)	265.6	4.2			G3/500
UL (90°-100°)	119.0	1.9		U3/500	
UH (100°-180°)	84.0	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°	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4	74.4
2.5°	74.4	74.4	74.4	74.4	76.5	76.5	76.5	74.4	74.4	74.4	74.4
5°	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	80.8	78.6
7.5°	89.3	89.3	89.3	89.3	89.3	91.4	89.3	89.3	89.3	89.3	89.3
10°	104.1	104.1	104.1	104.1	102.0	102.0	102.0	102.0	99.9	102.0	99.9
12.5°	123.3	123.3	123.3	121.1	119.0	119.0	119.0	116.9	119.0	119.0	119.0
15°	148.8	148.8	146.6	144.5	140.3	138.1	140.3	140.3	140.3	142.4	142.4
17.5°	176.4	178.5	174.3	170.0	165.8	165.8	163.7	165.8	170.0	172.2	172.2
20°	216.8	214.7	208.3	201.9	195.5	193.4	193.4	199.8	204.0	206.2	208.3
22.5°	257.2	257.2	250.8	238.0	229.5	225.3	227.4	233.8	244.4	252.9	252.9
25°	308.2	303.9	295.4	278.4	265.7	261.4	263.5	274.2	291.2	297.5	301.8
27.5°	359.2	357.1	344.3	325.2	306.1	297.5	303.9	323.1	342.2	354.9	359.2
30°	418.7	416.6	401.7	376.2	350.7	337.9	348.6	371.9	401.7	416.6	420.8
32.5°	484.6	482.5	463.3	429.3	395.3	382.6	395.3	429.3	463.3	482.5	484.6
35°	554.7	548.3	527.1	488.8	444.2	427.2	444.2	488.8	529.2	554.7	556.8
37.5°	624.9	620.6	597.2	552.6	499.5	478.2	497.3	554.7	599.3	629.1	622.7
40°	697.1	695.0	671.6	618.5	559.0	531.3	561.1	618.5	673.7	705.6	707.7
42.5°	780.0	780.0	750.2	695.0	622.7	590.8	622.7	697.1	758.8	784.3	786.4
45°	871.4	865.0	841.6	782.1	699.2	661.0	699.2	782.1	843.8	873.5	871.4
47.5°	967.0	962.8	941.5	882.0	784.3	743.9	782.1	877.8	941.5	962.8	962.8
50°	1077.6	1073.3	1054.2	992.5	886.3	837.4	888.4	984.0	1054.2	1073.3	1066.9
52.5°	1205.1	1192.3	1183.8	1124.3	1009.5	945.8	1001.0	1115.8	1179.6	1183.8	1183.8
55°	1330.5	1339.0	1332.6	1268.8	1141.3	1064.8	1132.8	1258.2	1315.6	1324.1	1313.5
57.5°	1489.9	1498.4	1494.1	1428.2	1290.1	1198.7	1275.2	1413.4	1462.2	1460.1	1458.0
60°	1666.3	1670.5	1666.3	1608.9	1455.9	1341.1	1432.5	1577.0	1623.8	1611.0	1600.4
62.5°	1821.4	1825.7	1827.8	1785.3	1602.5	1475.0	1568.5	1732.2	1768.3	1747.0	1740.7
65°	1946.8	1944.7	1966.0	1921.3	1727.9	1585.5	1691.8	1863.9	1885.2	1851.2	1840.6
67.5°	1991.5	2000.0	2040.3	1997.8	1802.3	1657.8	1768.3	1921.3	1936.2	1893.7	1872.4
70°	1934.1	1953.2	2002.1	1980.8	1802.3	1668.4	1770.4	1904.3	1897.9	1844.8	1823.6
72.5°	1776.8	1781.0	1842.7	1853.3	1721.5	1611.0	1689.7	1785.3	1753.4	1681.2	1674.8
75°	1498.4	1498.4	1574.9	1621.6	1549.4	1460.1	1521.8	1564.3	1515.4	1430.4	1419.7
77.5°	1147.7	1160.4	1224.2	1326.2	1309.2	1266.7	1294.3	1302.8	1200.8	1111.6	1113.7
80°	807.6	824.6	892.6	996.8	1026.5	1024.4	1030.8	975.5	879.9	807.6	797.0
82.5°	542.0	533.5	597.2	690.7	760.9	773.6	769.4	692.9	599.3	531.3	522.8
85°	329.4	331.6	382.6	459.1	522.8	554.7	531.3	463.3	378.3	333.7	331.6
87.5°	204.0	208.3	238.0	289.0	354.9	384.7	359.2	299.7	238.0	206.2	204.0
90°	138.1	138.1	157.3	189.2	233.8	263.5	240.2	193.4	157.3	138.1	136.0
92.5°	99.9	104.1	110.5	131.8	163.7	182.8	165.8	131.8	110.5	99.9	97.8
95°	78.6	78.6	85.0	95.6	119.0	131.8	119.0	97.8	85.0	76.5	76.5
97.5°	61.6	63.8	68.0	76.5	91.4	99.9	91.4	76.5	68.0	61.6	59.5
100°	48.9	51.0	55.3	63.8	74.4	78.6	74.4	63.8	55.3	48.9	48.9
102.5°	38.3	40.4	44.6	53.1	61.6	63.8	61.6	51.0	44.6	38.3	38.3
105°	29.8	29.8	36.1	44.6	51.0	53.1	51.0	42.5	36.1	29.8	29.8
107.5°	23.4	23.4	29.8	36.1	42.5	44.6	42.5	36.1	27.6	23.4	23.4
110°	19.1	19.1	23.4	29.8	36.1	38.3	36.1	29.8	23.4	19.1	19.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.9	14.9	19.1	25.5	29.8	31.9	29.8	25.5	19.1	14.9	14.9
115°	12.8	12.8	14.9	21.3	25.5	27.6	25.5	21.3	14.9	12.8	12.8
117.5°	10.6	10.6	12.8	17.0	21.3	23.4	21.3	17.0	12.8	10.6	10.6
120°	10.6	10.6	10.6	14.9	19.1	21.3	19.1	14.9	10.6	10.6	10.6
122.5°	8.5	8.5	10.6	12.8	17.0	17.0	14.9	12.8	10.6	8.5	8.5
125°	8.5	8.5	8.5	10.6	12.8	14.9	12.8	10.6	8.5	8.5	8.5
127.5°	8.5	8.5	8.5	8.5	12.8	12.8	12.8	8.5	8.5	8.5	8.5
130°	6.4	6.4	6.4	8.5	10.6	10.6	10.6	8.5	8.5	6.4	8.5
132.5°	6.4	6.4	6.4	8.5	8.5	10.6	8.5	8.5	6.4	6.4	6.4
135°	6.4	6.4	6.4	6.4	8.5	8.5	8.5	6.4	6.4	6.4	6.4
137.5°	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4	6.4
140°	4.3	4.3	4.3	4.3	6.4	6.4	6.4	4.3	4.3	6.4	4.3
142.5°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
145°	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3	4.3
147.5°	2.1	4.3	2.1	2.1	2.1	4.3	4.3	4.3	4.3	4.3	4.3
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
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)