

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: P695424

Luminaire Tested: **LXF.LXT-PA16-50-750-U-5WQ-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695424
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-PA16-50-750-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA 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: 6112 lumens
Efficiency: N/A
Efficacy: 115.1 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

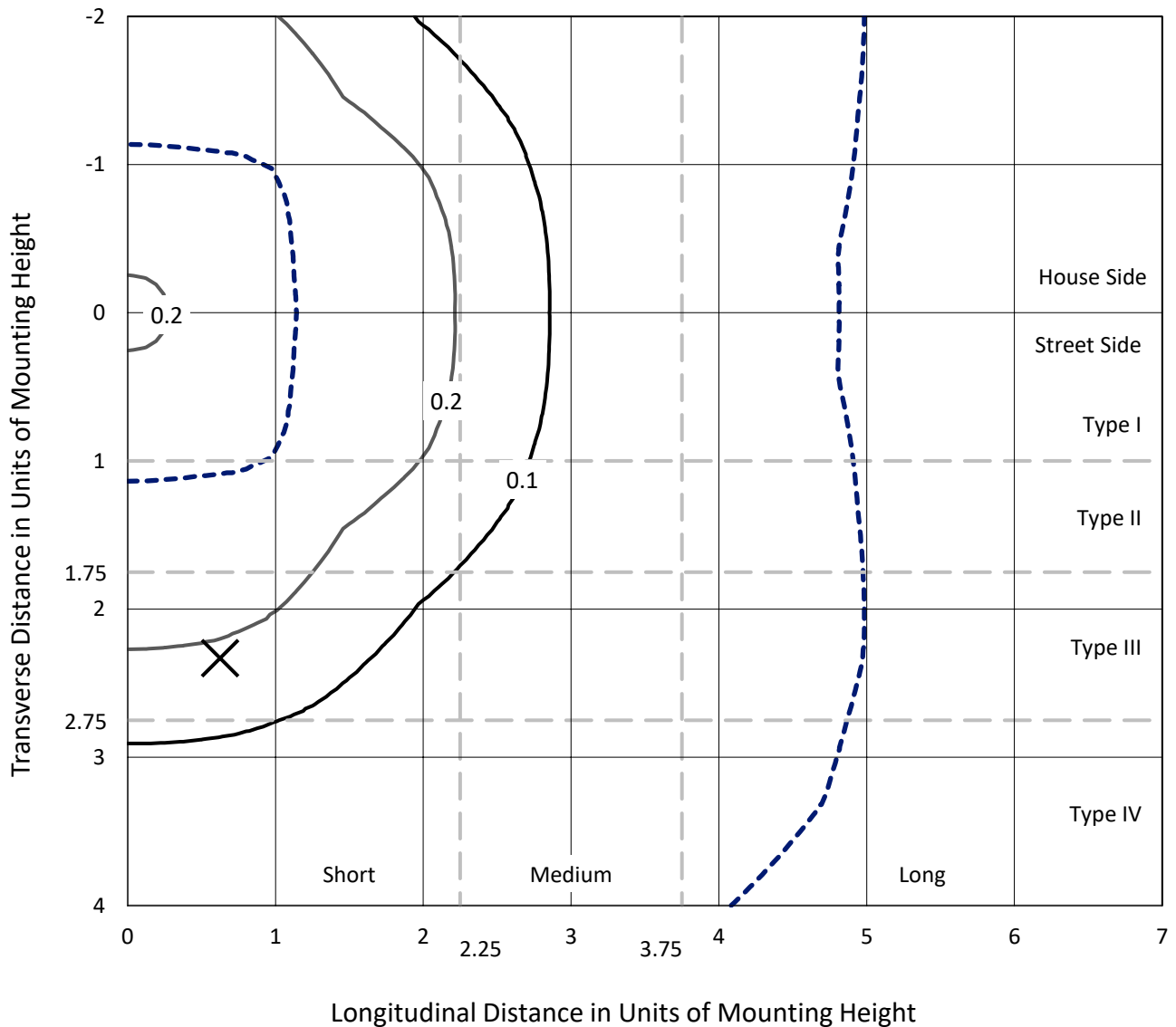
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

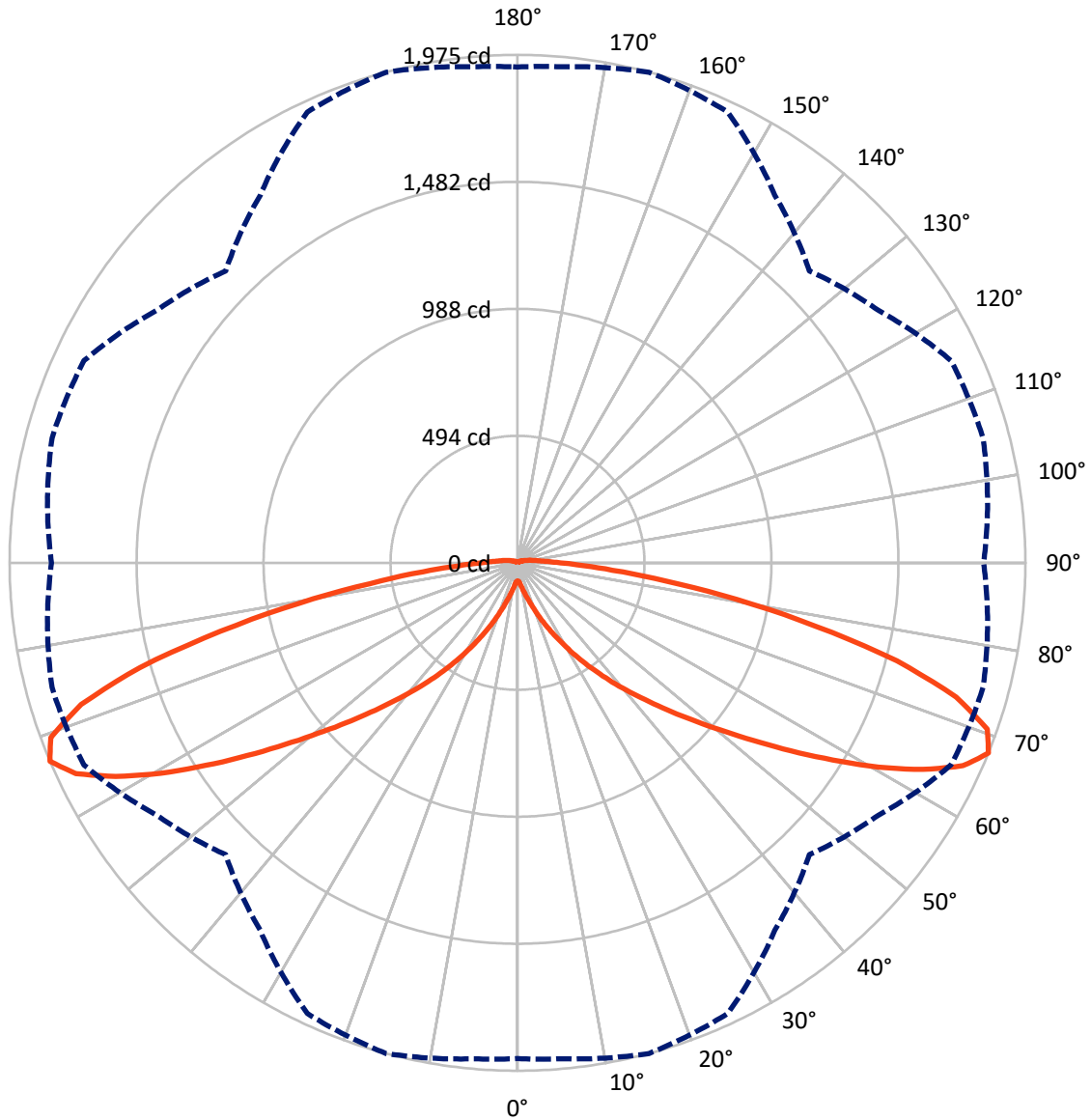
× Max cd
 - - - 1/2 Max cd



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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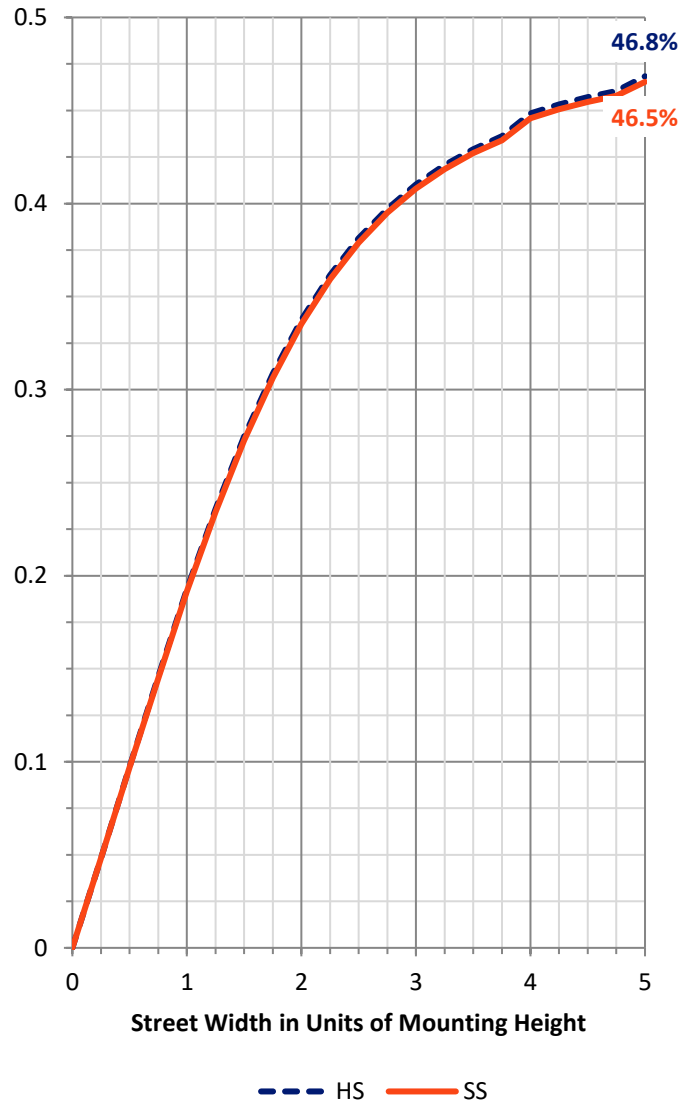
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2957.8	98.2	3056.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	2957.8	98.2	3056.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	5915.5	196.4	6112.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.1	0.1
10°-20°	41.5	0.7
20°-30°	130.2	2.1
30°-40°	305.9	5.0
40°-50°	596.6	9.8
50°-60°	1091.5	17.9
60°-70°	1715.2	28.1
70°-80°	1512.2	24.7
80°-90°	514.4	8.4
90°-100°	115.2	1.9
100°-110°	44.2	0.7
110°-120°	19.5	0.3
120°-130°	9.7	0.2
130°-140°	5.3	0.1
140°-150°	2.4	0.0
150°-160°	0.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5915.5	96.8
0°-180°	6112.0	100.0

Coefficient of Utilization



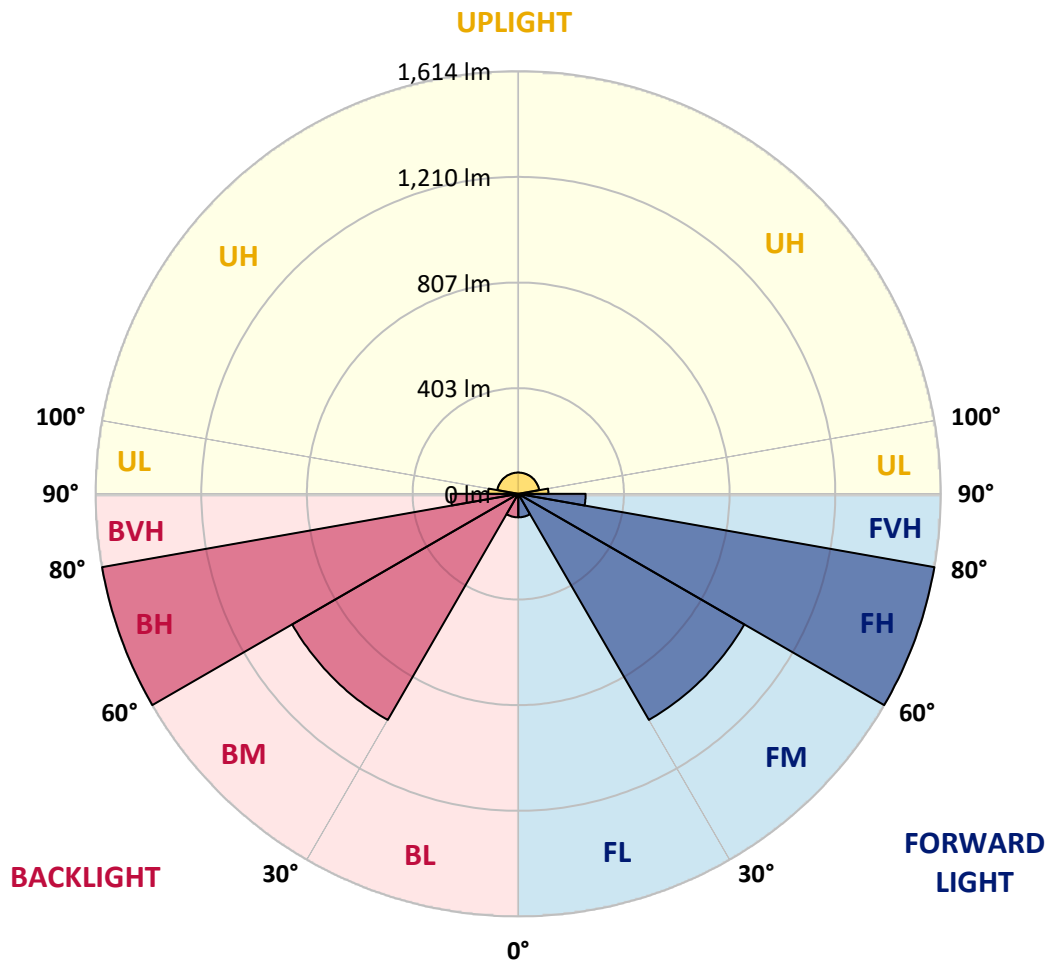
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	89.9	1.5			
FM (30°-60°)	997.0	16.3			
FH (60°-80°)	1613.7	26.4			G1/1800
FVH (80°-90°)	257.2	4.2			G3/500
BL (0°-30°)	89.9	1.5	B0/110		
BM (30°-60°)	997.0	16.3	B1/1000		
BH (60°-80°)	1613.7	26.4	B3/2500		G1/1800
BVH (80°-90°)	257.2	4.2			G3/500
UL (90°-100°)	115.2	1.9		U3/500	
UH (100°-180°)	81.2	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°	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0	72.0
2.5°	72.0	72.0	72.0	72.0	74.1	74.1	74.1	72.0	72.0	72.0	72.0
5°	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	78.2	76.1
7.5°	86.4	86.4	86.4	86.4	86.4	88.5	86.4	86.4	86.4	86.4	86.4
10°	100.8	100.8	100.8	100.8	98.8	98.8	98.8	98.8	96.7	98.8	96.7
12.5°	119.3	119.3	119.3	117.3	115.2	115.2	115.2	113.2	115.2	115.2	115.2
15°	144.0	144.0	142.0	139.9	135.8	133.7	135.8	135.8	135.8	137.9	137.9
17.5°	170.8	172.8	168.7	164.6	160.5	160.5	158.4	160.5	164.6	166.7	166.7
20°	209.9	207.8	201.7	195.5	189.3	187.2	187.2	193.4	197.5	199.6	201.7
22.5°	249.0	249.0	242.8	230.5	222.2	218.1	220.2	226.3	236.6	244.9	244.9
25°	298.4	294.2	286.0	269.6	257.2	253.1	255.2	265.4	281.9	288.1	292.2
27.5°	347.7	345.7	333.3	314.8	296.3	288.1	294.2	312.8	331.3	343.6	347.7
30°	405.4	403.3	388.9	364.2	339.5	327.2	337.5	360.1	388.9	403.3	407.4
32.5°	469.2	467.1	448.6	415.7	382.7	370.4	382.7	415.7	448.6	467.1	469.2
35°	537.1	530.9	510.3	473.3	430.1	413.6	430.1	473.3	512.4	537.1	539.1
37.5°	605.0	600.8	578.2	535.0	483.6	463.0	481.5	537.1	580.3	609.1	602.9
40°	674.9	672.9	650.2	598.8	541.2	514.4	543.2	598.8	652.3	683.2	685.2
42.5°	755.2	755.2	726.4	672.9	602.9	572.0	602.9	674.9	734.6	759.3	761.3
45°	843.7	837.5	814.8	757.2	677.0	639.9	677.0	757.2	816.9	845.7	843.7
47.5°	936.2	932.1	911.6	853.9	759.3	720.2	757.2	849.8	911.6	932.1	932.1
50°	1043.2	1039.1	1020.6	960.9	858.1	810.7	860.1	952.7	1020.6	1039.1	1033.0
52.5°	1166.7	1154.4	1146.1	1088.5	977.4	915.7	969.2	1080.3	1142.0	1146.1	1146.1
55°	1288.1	1296.3	1290.2	1228.4	1105.0	1030.9	1096.7	1218.1	1273.7	1281.9	1271.6
57.5°	1442.4	1450.7	1446.6	1382.8	1249.0	1160.5	1234.6	1368.4	1415.7	1413.6	1411.6
60°	1613.2	1617.3	1613.2	1557.7	1409.5	1298.4	1386.9	1526.8	1572.1	1559.7	1549.4
62.5°	1763.4	1767.6	1769.6	1728.5	1551.5	1428.0	1518.6	1677.0	1712.0	1691.4	1685.2
65°	1884.8	1882.8	1903.4	1860.1	1672.9	1535.0	1637.9	1804.6	1825.2	1792.2	1782.0
67.5°	1928.0	1936.3	1975.4	1934.2	1744.9	1605.0	1712.0	1860.1	1874.5	1833.4	1812.8
70°	1872.5	1891.0	1938.3	1917.8	1744.9	1615.3	1714.1	1843.7	1837.5	1786.1	1765.5
72.5°	1720.2	1724.3	1784.0	1794.3	1666.7	1559.7	1635.9	1728.5	1697.6	1627.6	1621.5
75°	1450.7	1450.7	1524.7	1570.0	1500.1	1413.6	1473.3	1514.5	1467.1	1384.8	1374.5
77.5°	1111.1	1123.5	1185.2	1284.0	1267.5	1226.4	1253.1	1261.4	1162.6	1076.2	1078.2
80°	781.9	798.4	864.2	965.1	993.9	991.8	998.0	944.5	851.9	781.9	771.6
82.5°	524.7	516.5	578.2	668.7	736.7	749.0	744.9	670.8	580.3	514.4	506.2
85°	318.9	321.0	370.4	444.5	506.2	537.1	514.4	448.6	366.3	323.1	321.0
87.5°	197.5	201.7	230.5	279.8	343.6	372.4	347.7	290.1	230.5	199.6	197.5
90°	133.7	133.7	152.3	183.1	226.3	255.2	232.5	187.2	152.3	133.7	131.7
92.5°	96.7	100.8	107.0	127.6	158.4	177.0	160.5	127.6	107.0	96.7	94.7
95°	76.1	76.1	82.3	92.6	115.2	127.6	115.2	94.7	82.3	74.1	74.1
97.5°	59.7	61.7	65.8	74.1	88.5	96.7	88.5	74.1	65.8	59.7	57.6
100°	47.3	49.4	53.5	61.7	72.0	76.1	72.0	61.7	53.5	47.3	47.3
102.5°	37.0	39.1	43.2	51.4	59.7	61.7	59.7	49.4	43.2	37.0	37.0
105°	28.8	28.8	35.0	43.2	49.4	51.4	49.4	41.2	35.0	28.8	28.8
107.5°	22.6	22.6	28.8	35.0	41.2	43.2	41.2	35.0	26.7	22.6	22.6
110°	18.5	18.5	22.6	28.8	35.0	37.0	35.0	28.8	22.6	18.5	18.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.4	14.4	18.5	24.7	28.8	30.9	28.8	24.7	18.5	14.4	14.4
115°	12.3	12.3	14.4	20.6	24.7	26.7	24.7	20.6	14.4	12.3	12.3
117.5°	10.3	10.3	12.3	16.5	20.6	22.6	20.6	16.5	12.3	10.3	10.3
120°	10.3	10.3	10.3	14.4	18.5	20.6	18.5	14.4	10.3	10.3	10.3
122.5°	8.2	8.2	10.3	12.3	16.5	16.5	14.4	12.3	10.3	8.2	8.2
125°	8.2	8.2	8.2	10.3	12.3	14.4	12.3	10.3	8.2	8.2	8.2
127.5°	8.2	8.2	8.2	8.2	12.3	12.3	12.3	8.2	8.2	8.2	8.2
130°	6.2	6.2	6.2	8.2	10.3	10.3	10.3	8.2	8.2	6.2	8.2
132.5°	6.2	6.2	6.2	8.2	8.2	10.3	8.2	8.2	6.2	6.2	6.2
135°	6.2	6.2	6.2	6.2	8.2	8.2	8.2	6.2	6.2	6.2	6.2
137.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
140°	4.1	4.1	4.1	4.1	6.2	6.2	6.2	4.1	4.1	6.2	4.1
142.5°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
145°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1
147.5°	2.1	4.1	2.1	2.1	2.1	4.1	4.1	4.1	4.1	4.1	4.1
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)