

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: P695602

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695602
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
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-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1160mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6525 lumens
Efficiency: N/A
Efficacy: 105.2 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

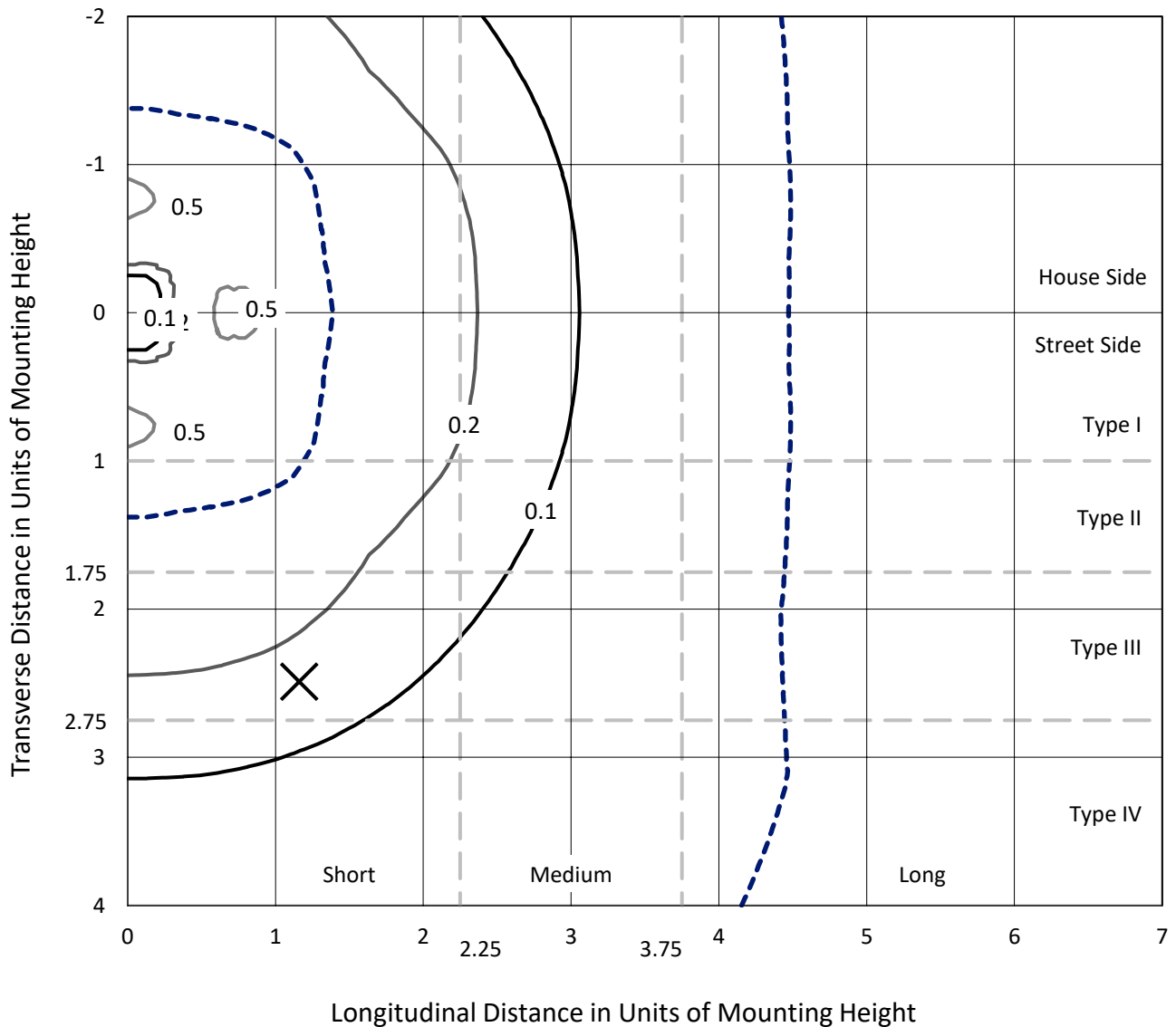
Input Watts (W): 62
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

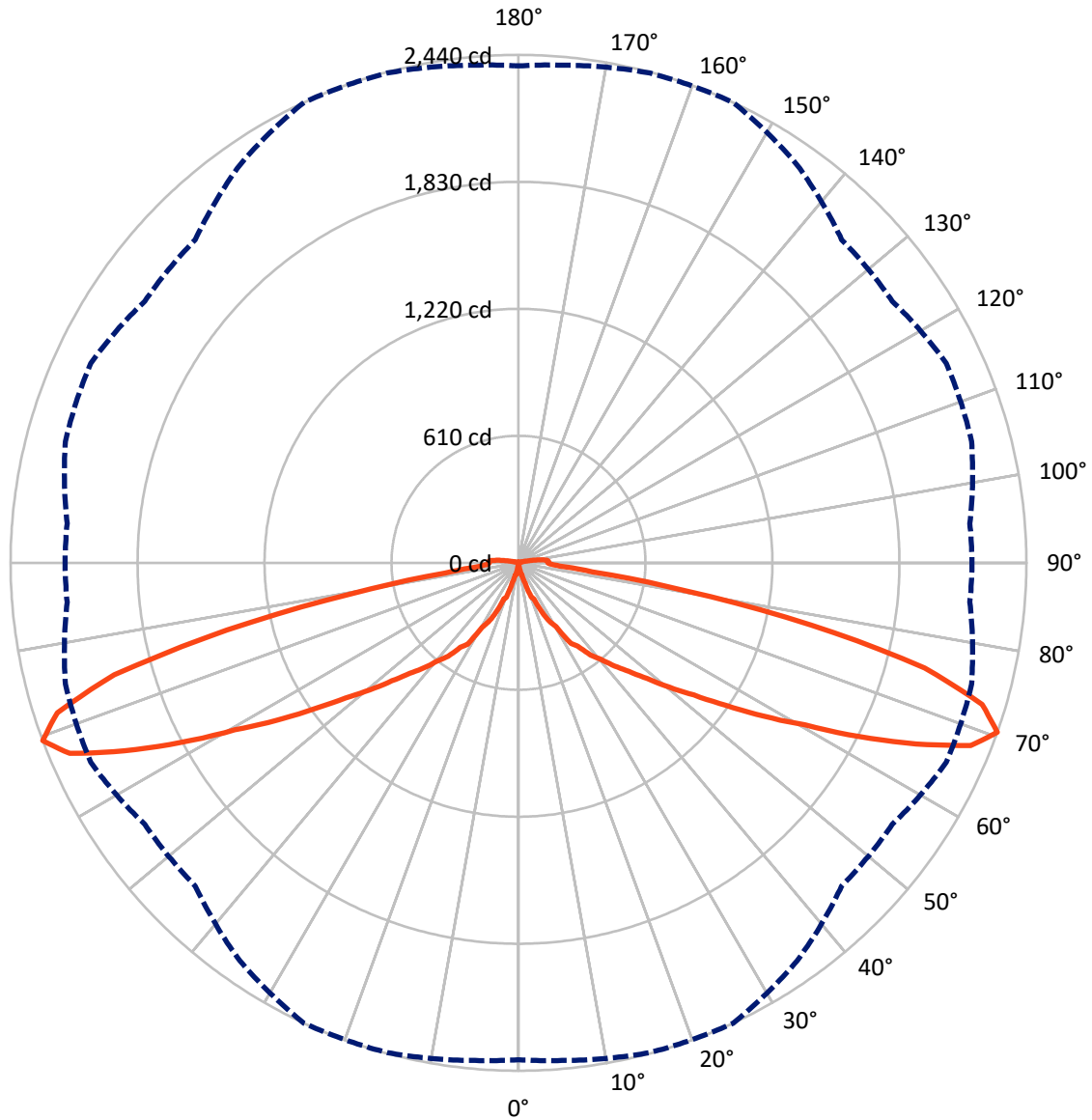
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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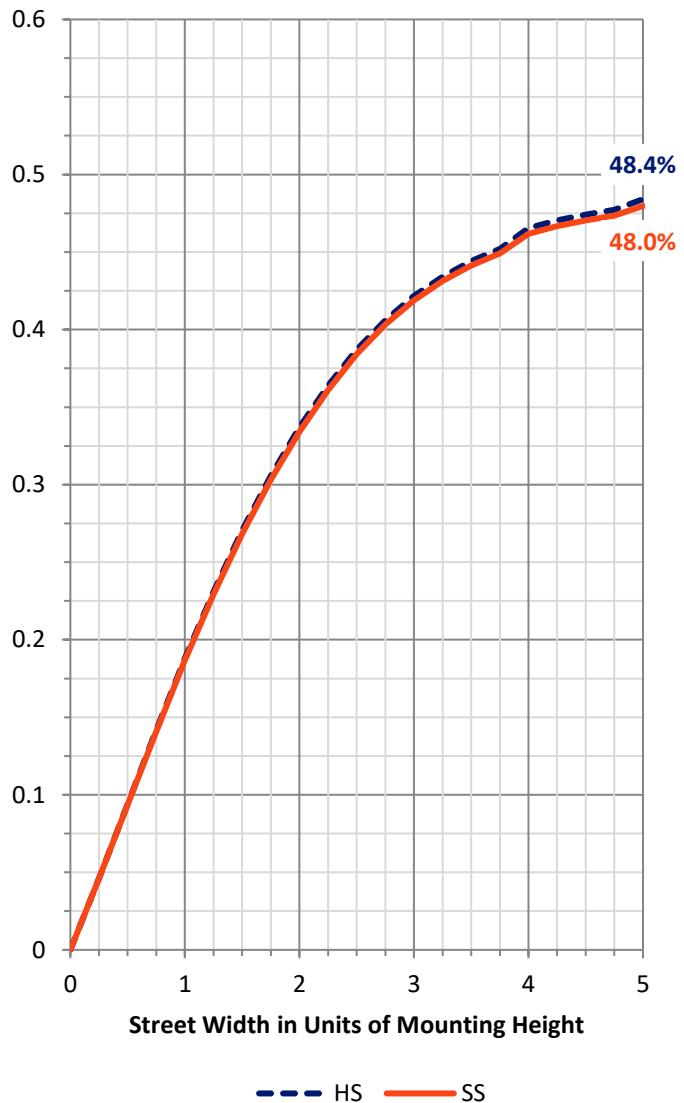
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3181.0	81.6	3262.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3181.0	81.6	3262.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	6361.9	163.1	6525.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	24.7	0.4
20°-30°	130.5	2.0
30°-40°	328.1	5.0
40°-50°	597.7	9.2
50°-60°	1089.7	16.7
60°-70°	1971.3	30.2
70°-80°	1877.4	28.8
80°-90°	342.0	5.2
90°-100°	132.3	2.0
100°-110°	19.3	0.3
110°-120°	5.0	0.1
120°-130°	3.1	0.0
130°-140°	1.9	0.0
140°-150°	1.3	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6361.9	97.5
0°-180°	6525.0	100.0

Coefficient of Utilization



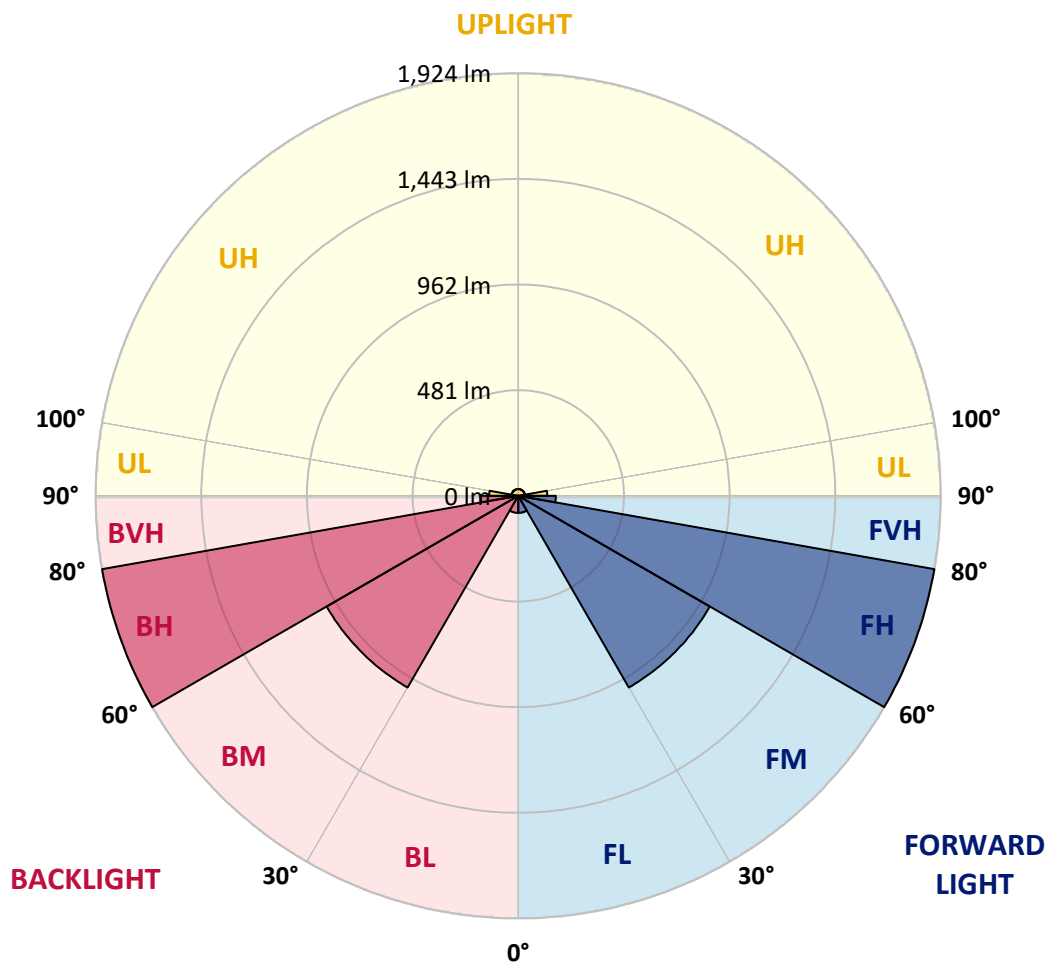
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	77.8	1.2			
FM (30°-60°)	1007.7	15.4			
FH (60°-80°)	1924.4	29.5			G2/5000
FVH (80°-90°)	171.0	2.6			G2/225
BL (0°-30°)	77.8	1.2	B0/110		
BM (30°-60°)	1007.7	15.4	B2/2500		
BH (60°-80°)	1924.4	29.5	B3/2500		G2/5000
BVH (80°-90°)	171.0	2.6			G2/225
UL (90°-100°)	132.3	2.0		U3/500	
UH (100°-180°)	30.8	0.5		U2/50	

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°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
2.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
7.5°	4.3	4.3	4.3	2.1	4.3	2.1	4.3	2.1	2.1	4.3	4.3
10°	44.6	38.3	19.1	12.8	6.4	4.3	4.3	4.3	4.3	4.3	4.3
12.5°	59.5	59.5	57.4	55.3	46.8	12.8	6.4	12.8	21.3	44.6	48.9
15°	72.3	72.3	65.9	61.6	57.4	48.9	46.8	87.2	104.2	110.5	114.8
17.5°	176.4	176.4	161.6	102.0	65.9	91.4	125.4	114.8	121.2	123.3	125.4
20°	191.3	189.2	182.8	176.4	144.5	133.9	144.5	136.0	178.6	193.4	212.6
22.5°	250.8	236.0	208.3	187.1	201.9	180.7	167.9	231.7	246.6	257.2	259.3
25°	329.5	327.4	318.9	265.7	231.7	225.3	238.1	270.0	276.3	293.3	297.6
27.5°	350.7	352.9	335.9	318.9	308.2	280.6	295.5	329.5	382.6	403.9	406.0
30°	491.0	486.8	467.7	355.0	344.4	331.6	350.7	389.0	408.1	431.5	435.8
32.5°	514.4	508.0	501.7	461.3	384.8	378.4	401.8	420.9	514.4	578.2	580.3
35°	605.8	605.8	582.4	493.2	474.0	425.1	442.1	518.7	584.6	612.2	612.2
37.5°	654.7	650.5	631.3	561.2	495.3	474.0	501.7	554.8	620.7	654.7	654.7
40°	710.0	705.7	684.5	610.1	563.3	518.7	556.9	610.1	684.5	714.2	714.2
42.5°	775.9	771.6	748.2	678.1	614.3	573.9	605.8	682.4	748.2	767.4	775.9
45°	854.5	848.2	826.9	744.0	676.0	625.0	654.7	752.5	820.5	856.7	852.4
47.5°	945.9	937.4	914.1	831.1	756.7	690.9	727.0	843.9	922.6	945.9	952.3
50°	1039.5	1035.2	1024.6	939.6	843.9	780.1	826.9	950.2	1026.7	1039.5	1043.7
52.5°	1143.6	1133.0	1135.1	1054.3	962.9	894.9	950.2	1043.7	1143.6	1141.5	1139.4
55°	1264.8	1262.7	1269.0	1209.5	1105.4	1031.0	1092.6	1209.5	1273.3	1266.9	1254.2
57.5°	1407.2	1407.2	1424.2	1390.2	1290.3	1213.8	1254.2	1379.6	1415.7	1392.3	1386.0
60°	1594.3	1583.6	1613.4	1581.5	1513.5	1411.5	1462.5	1570.9	1585.8	1556.0	1562.4
62.5°	1828.1	1823.9	1840.9	1838.7	1758.0	1638.9	1692.1	1789.8	1806.8	1781.3	1792.0
65°	2087.4	2083.2	2104.4	2098.1	2006.7	1879.1	1925.9	2034.3	2034.3	1985.4	1989.7
67.5°	2300.0	2300.0	2331.9	2342.5	2217.1	2055.6	2087.4	2212.9	2204.4	2142.7	2144.8
70°	2387.2	2399.9	2436.1	2440.3	2334.0	2195.8	2191.6	2268.1	2253.2	2176.7	2178.8
72.5°	2238.4	2244.7	2308.5	2329.8	2306.4	2244.7	2178.8	2130.0	2093.8	2040.7	2040.7
75°	1813.2	1809.0	1891.9	2015.2	2085.3	2147.0	1991.8	1851.5	1798.3	1751.6	1768.6
77.5°	1152.1	1133.0	1226.5	1437.0	1628.3	1809.0	1638.9	1432.7	1294.6	1207.4	1194.6
80°	508.0	518.7	595.2	812.0	1069.2	1266.9	1141.5	839.7	650.5	529.3	493.2
82.5°	225.3	229.6	261.5	357.1	595.2	744.0	631.3	384.8	265.7	236.0	233.8
85°	155.2	163.7	159.4	195.6	276.3	333.7	291.2	193.4	161.6	153.1	146.7
87.5°	142.4	144.5	136.0	148.8	182.8	170.1	170.1	138.2	116.9	127.5	125.4
90°	148.8	150.9	136.0	140.3	167.9	150.9	157.3	129.7	121.2	136.0	133.9
92.5°	150.9	161.6	148.8	144.5	167.9	165.8	157.3	133.9	131.8	146.7	144.5
95°	133.9	148.8	133.9	136.0	155.2	157.3	148.8	131.8	136.0	146.7	150.9
97.5°	80.8	87.2	87.2	99.9	108.4	114.8	110.5	95.7	80.8	76.5	72.3
100°	29.8	29.8	42.5	63.8	59.5	48.9	61.6	61.6	36.1	19.1	12.8
102.5°	12.8	12.8	25.5	36.1	25.5	17.0	27.6	38.3	23.4	12.8	10.6
105°	12.8	12.8	14.9	19.1	10.6	8.5	10.6	19.1	10.6	10.6	10.6
107.5°	10.6	10.6	8.5	8.5	6.4	6.4	6.4	6.4	8.5	10.6	12.8
110°	10.6	8.5	6.4	6.4	6.4	6.4	6.4	6.4	6.4	10.6	10.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.5	6.4	4.3	4.3	4.3	6.4	4.3	4.3	4.3	6.4	6.4
115°	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4
117.5°	6.4	6.4	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.4	6.4
120°	6.4	6.4	4.3	2.1	2.1	2.1	4.3	4.3	4.3	6.4	6.4
122.5°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
125°	6.4	6.4	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
127.5°	6.4	4.3	4.3	2.1	2.1	2.1	2.1	2.1	4.3	6.4	6.4
130°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3	4.3
132.5°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
135°	4.3	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.3	4.3
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1
150°	4.3	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	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)