

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: P695872

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695872
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-PA16-730-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA 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: 7246.1 lumens
Efficiency: N/A
Efficacy: 100.6 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

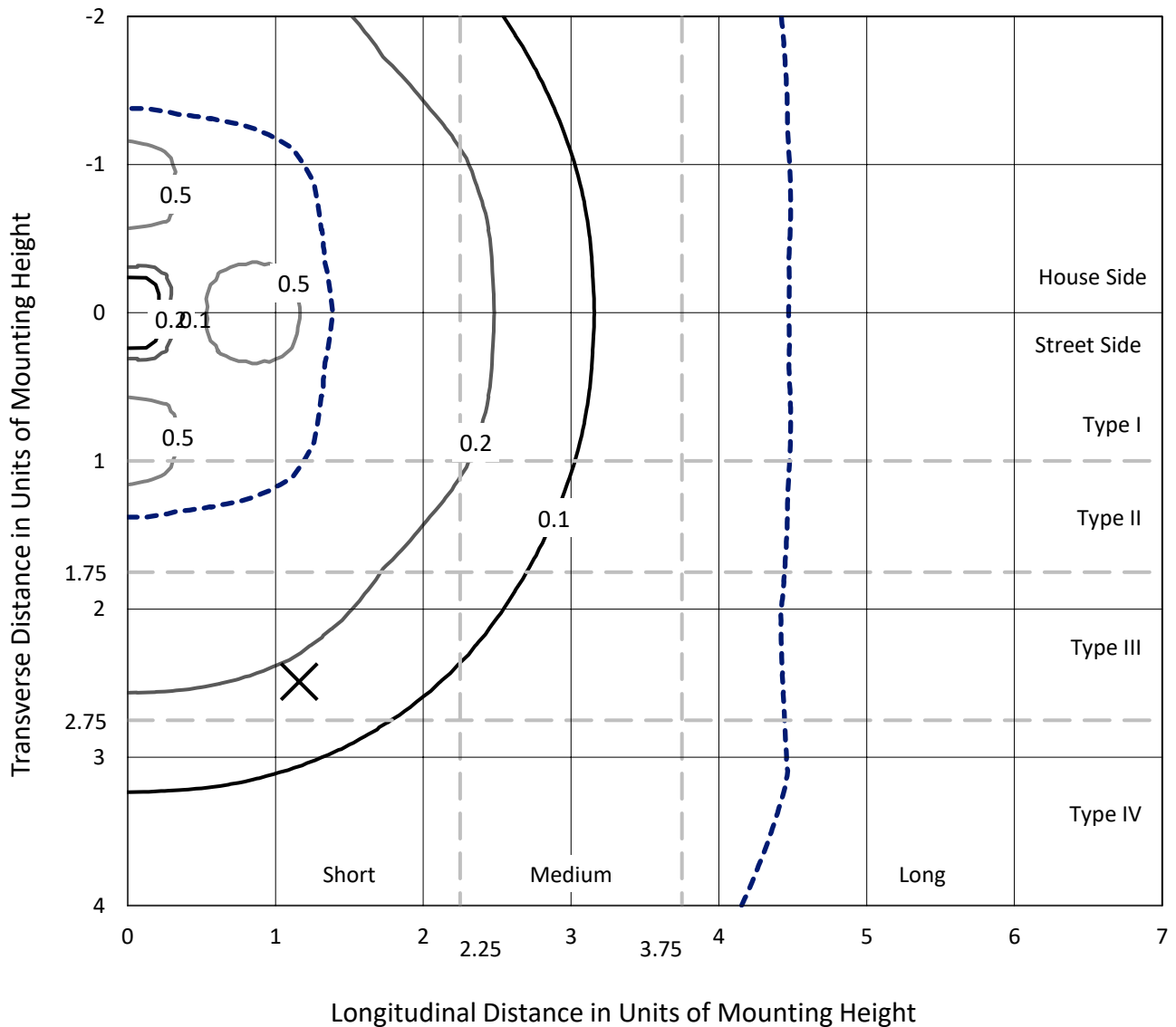
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

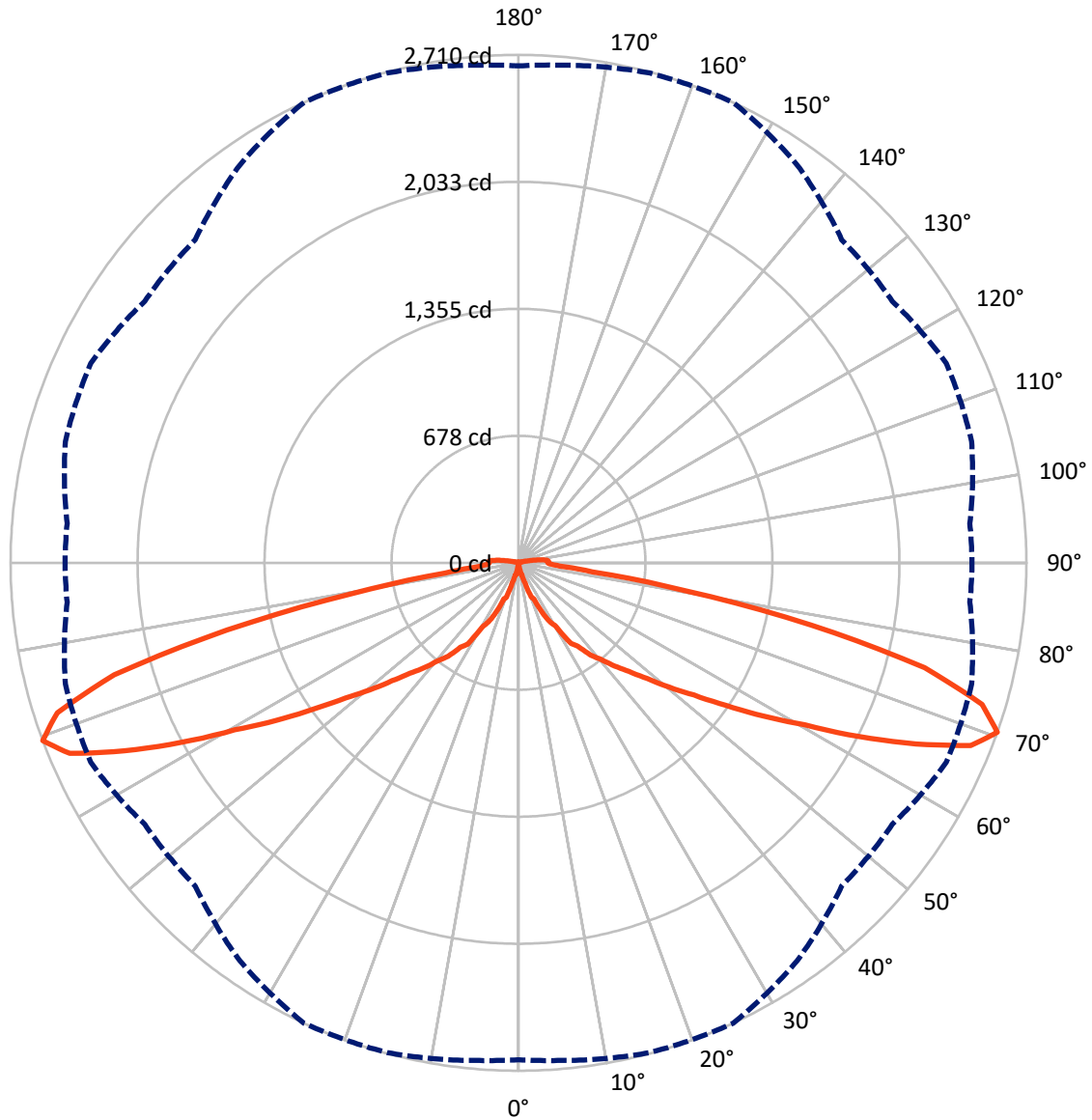
✕ Max cd
 - - - 1/2 Max cd



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 70-Deg Vertical

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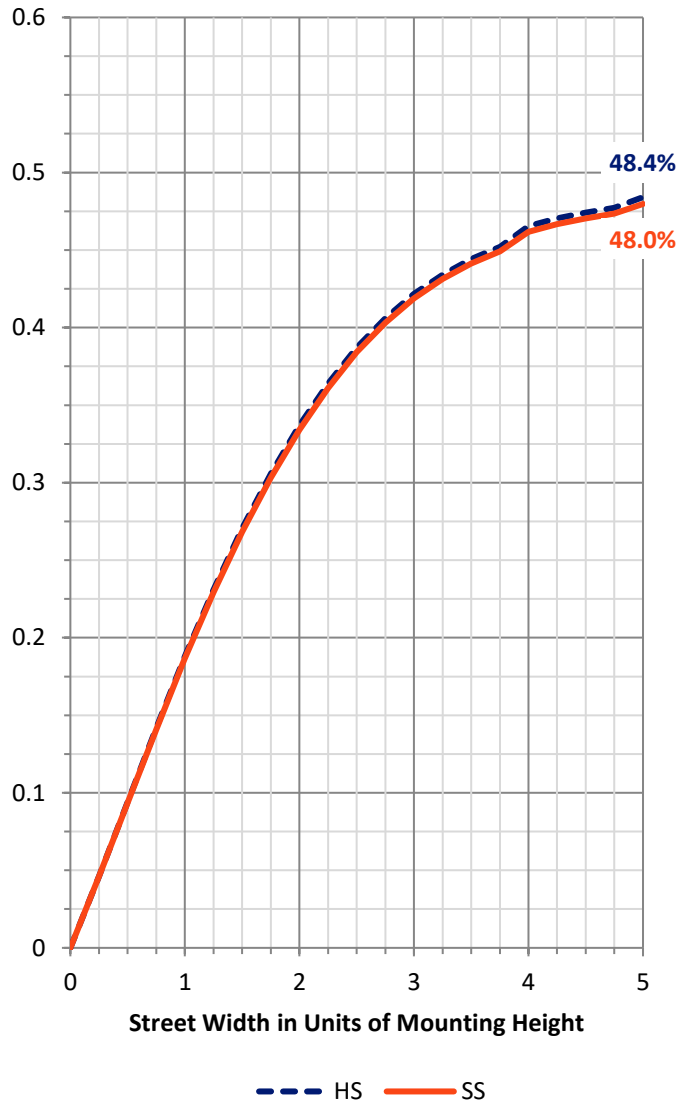
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3532.4	90.6	3623.0
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	3532.4	90.6	3623.0
	% Fixture	48.7	1.3	50.0
Total	Lumens	7064.9	181.2	7246.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	27.5	0.4
20°-30°	144.9	2.0
30°-40°	364.4	5.0
40°-50°	663.7	9.2
50°-60°	1210.1	16.7
60°-70°	2189.1	30.2
70°-80°	2084.9	28.8
80°-90°	379.7	5.2
90°-100°	146.9	2.0
100°-110°	21.4	0.3
110°-120°	5.5	0.1
120°-130°	3.5	0.0
130°-140°	2.1	0.0
140°-150°	1.5	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7064.9	97.5
0°-180°	7246.1	100.0

Coefficient of Utilization



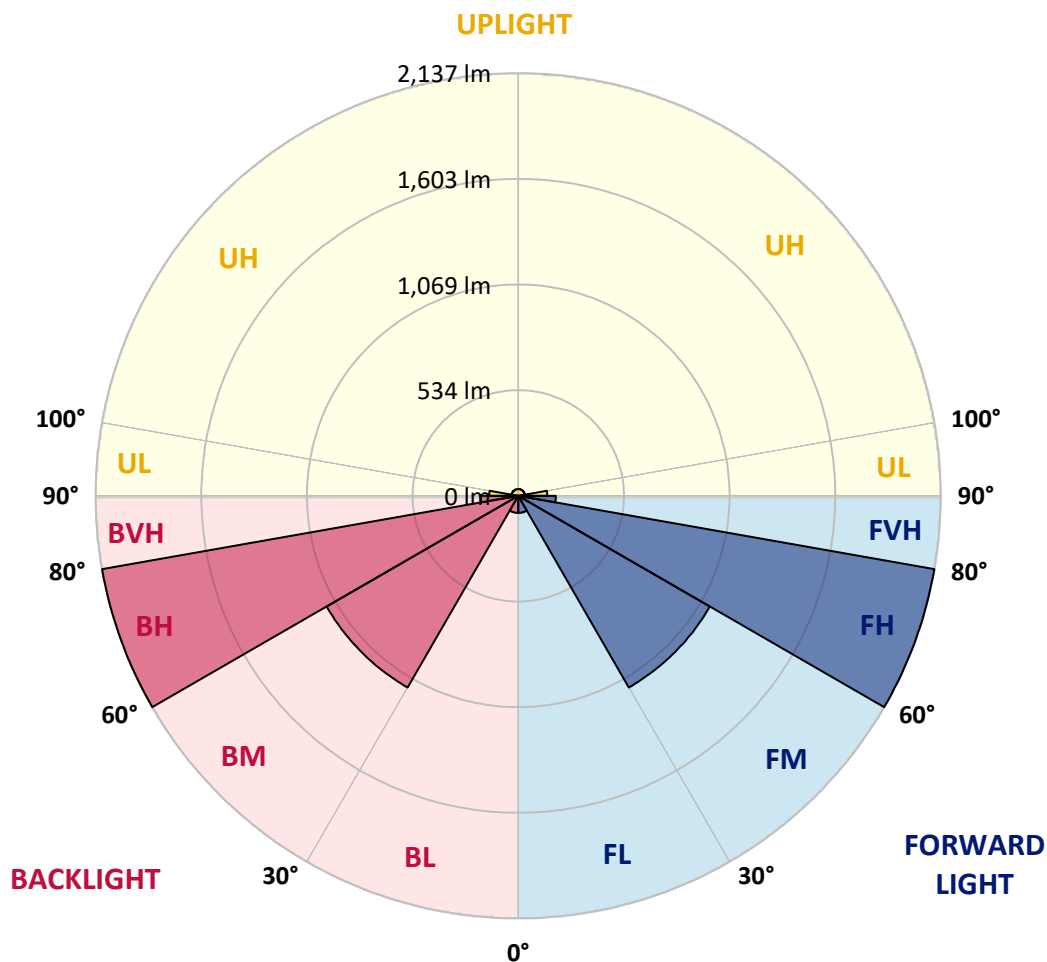
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	86.4	1.2			
FM (30°-60°)	1119.1	15.4			
FH (60°-80°)	2137.0	29.5			G2/5000
FVH (80°-90°)	189.9	2.6			G2/225
BL (0°-30°)	86.4	1.2	B0/110		
BM (30°-60°)	1119.1	15.4	B2/2500		
BH (60°-80°)	2137.0	29.5	B3/2500		G2/5000
BVH (80°-90°)	189.9	2.6			G2/225
UL (90°-100°)	146.9	2.0		U3/500	
UH (100°-180°)	34.3	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°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
7.5°	4.7	4.7	4.7	2.4	4.7	2.4	4.7	2.4	2.4	4.7	4.7
10°	49.6	42.5	21.2	14.2	7.1	4.7	4.7	4.7	4.7	4.7	4.7
12.5°	66.1	66.1	63.7	61.4	51.9	14.2	7.1	14.2	23.6	49.6	54.3
15°	80.3	80.3	73.2	68.5	63.7	54.3	51.9	96.8	115.7	122.8	127.5
17.5°	195.9	195.9	179.4	113.3	73.2	101.5	139.3	127.5	134.6	136.9	139.3
20°	212.5	210.1	203.0	195.9	160.5	148.7	160.5	151.1	198.3	214.8	236.1
22.5°	278.5	262.0	231.3	207.7	224.3	200.6	186.5	257.3	273.8	285.6	288.0
25°	365.9	363.5	354.1	295.1	257.3	250.2	264.4	299.8	306.9	325.8	330.5
27.5°	389.5	391.9	373.0	354.1	342.3	311.6	328.1	365.9	424.9	448.5	450.9
30°	545.3	540.6	519.3	394.2	382.4	368.3	389.5	432.0	453.2	479.2	483.9
32.5°	571.3	564.2	557.1	512.2	427.3	420.2	446.2	467.4	571.3	642.1	644.4
35°	672.8	672.8	646.8	547.7	526.4	472.1	491.0	576.0	649.2	679.8	679.8
37.5°	727.1	722.3	701.1	623.2	550.0	526.4	557.1	616.1	689.3	727.1	727.1
40°	788.4	783.7	760.1	677.5	625.6	576.0	618.5	677.5	760.1	793.2	793.2
42.5°	861.6	856.9	830.9	753.0	682.2	637.4	672.8	757.7	830.9	852.2	861.6
45°	949.0	941.9	918.3	826.2	750.7	694.0	727.1	835.6	911.2	951.3	946.6
47.5°	1050.5	1041.0	1015.1	923.0	840.4	767.2	807.3	937.2	1024.5	1050.5	1057.5
50°	1154.3	1149.6	1137.8	1043.4	937.2	866.3	918.3	1055.2	1140.2	1154.3	1159.0
52.5°	1270.0	1258.2	1260.6	1170.9	1069.3	993.8	1055.2	1159.0	1270.0	1267.6	1265.3
55°	1404.5	1402.2	1409.3	1343.2	1227.5	1144.9	1213.3	1343.2	1414.0	1406.9	1392.7
57.5°	1562.7	1562.7	1581.6	1543.8	1432.9	1347.9	1392.7	1532.0	1572.2	1546.2	1539.1
60°	1770.4	1758.6	1791.7	1756.3	1680.7	1567.4	1624.1	1744.5	1761.0	1727.9	1735.0
62.5°	2030.1	2025.4	2044.3	2041.9	1952.2	1820.0	1879.0	1987.6	2006.5	1978.2	1990.0
65°	2318.1	2313.4	2337.0	2329.9	2228.4	2086.8	2138.7	2259.1	2259.1	2204.8	2209.5
67.5°	2554.2	2554.2	2589.6	2601.4	2462.1	2282.7	2318.1	2457.4	2447.9	2379.5	2381.8
70°	2650.9	2665.1	2705.2	2710.0	2591.9	2438.5	2433.8	2518.7	2502.2	2417.2	2419.6
72.5°	2485.7	2492.8	2563.6	2587.2	2561.2	2492.8	2419.6	2365.3	2325.2	2266.2	2266.2
75°	2013.6	2008.9	2100.9	2237.8	2315.7	2384.2	2211.9	2056.1	1997.1	1945.1	1964.0
77.5°	1279.4	1258.2	1362.1	1595.8	1808.2	2008.9	1820.0	1591.0	1437.6	1340.8	1326.6
80°	564.2	576.0	661.0	901.7	1187.4	1406.9	1267.6	932.4	722.3	587.8	547.7
82.5°	250.2	254.9	290.4	396.6	661.0	826.2	701.1	427.3	295.1	262.0	259.7
85°	172.3	181.8	177.0	217.2	306.9	370.6	323.4	214.8	179.4	170.0	162.9
87.5°	158.2	160.5	151.1	165.2	203.0	188.8	188.8	153.4	129.8	141.6	139.3
90°	165.2	167.6	151.1	155.8	186.5	167.6	174.7	144.0	134.6	151.1	148.7
92.5°	167.6	179.4	165.2	160.5	186.5	184.1	174.7	148.7	146.4	162.9	160.5
95°	148.7	165.2	148.7	151.1	172.3	174.7	165.2	146.4	151.1	162.9	167.6
97.5°	89.7	96.8	96.8	110.9	120.4	127.5	122.8	106.2	89.7	85.0	80.3
100°	33.0	33.0	47.2	70.8	66.1	54.3	68.5	68.5	40.1	21.2	14.2
102.5°	14.2	14.2	28.3	40.1	28.3	18.9	30.7	42.5	26.0	14.2	11.8
105°	14.2	14.2	16.5	21.2	11.8	9.4	11.8	21.2	11.8	11.8	11.8
107.5°	11.8	11.8	9.4	9.4	7.1	7.1	7.1	7.1	9.4	11.8	14.2
110°	11.8	9.4	7.1	7.1	7.1	7.1	7.1	7.1	7.1	11.8	11.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.4	7.1	4.7	4.7	4.7	7.1	4.7	4.7	4.7	7.1	7.1
115°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1
117.5°	7.1	7.1	4.7	4.7	4.7	4.7	4.7	4.7	4.7	7.1	7.1
120°	7.1	7.1	4.7	2.4	2.4	2.4	4.7	4.7	4.7	7.1	7.1
122.5°	7.1	7.1	4.7	2.4	2.4	2.4	2.4	2.4	4.7	7.1	7.1
125°	7.1	7.1	4.7	2.4	2.4	2.4	2.4	2.4	4.7	7.1	7.1
127.5°	7.1	4.7	4.7	2.4	2.4	2.4	2.4	2.4	4.7	7.1	7.1
130°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7	4.7
132.5°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7
135°	4.7	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7
137.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
140°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
142.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
145°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
147.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
150°	4.7	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	4.7	4.7
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)