

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: P695842

Luminaire Tested: **LXF.LXT-PA16-727-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695842
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-PA16-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 6671 lumens
Efficiency: N/A
Efficacy: 92.7 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 - G2

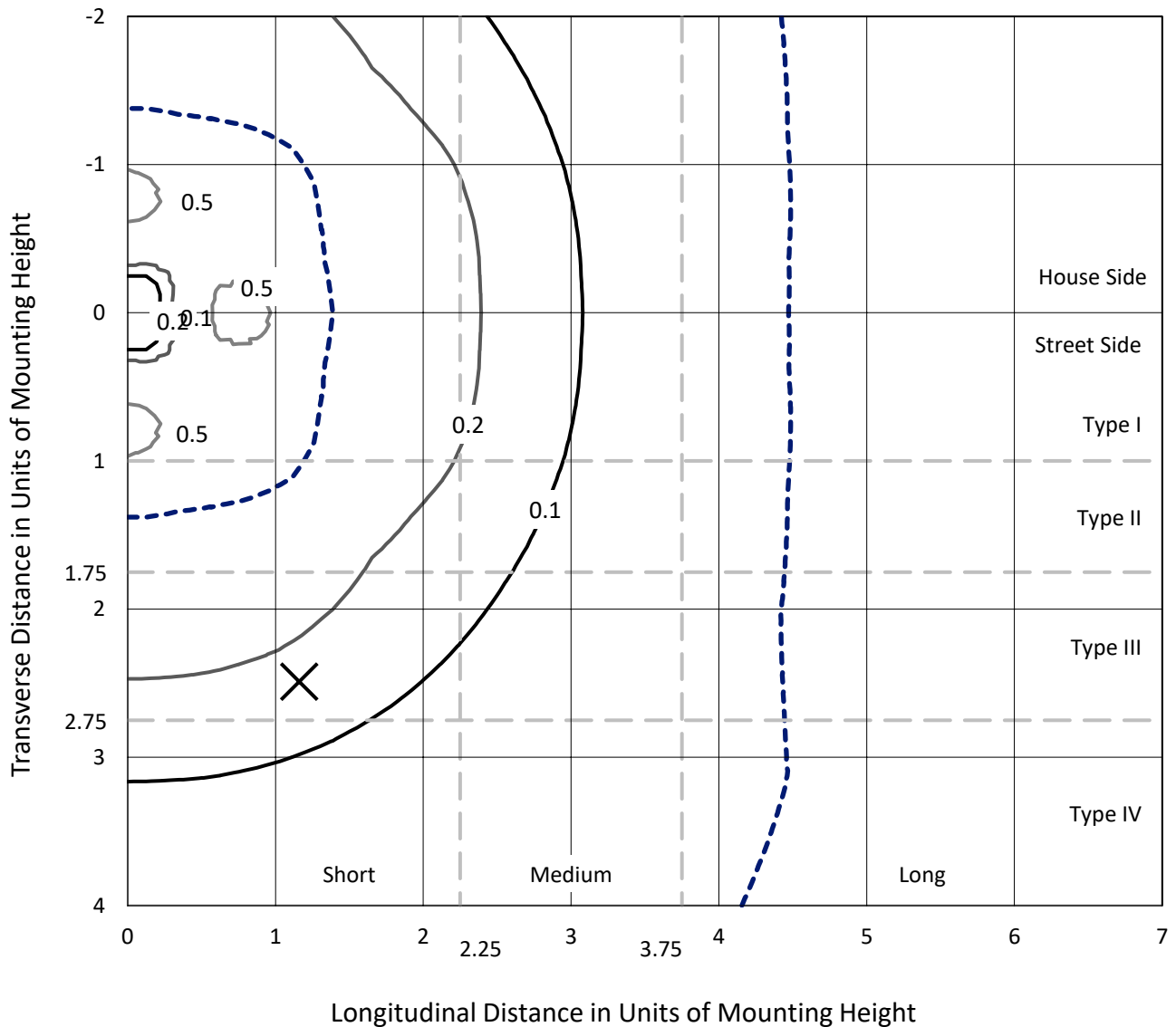
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

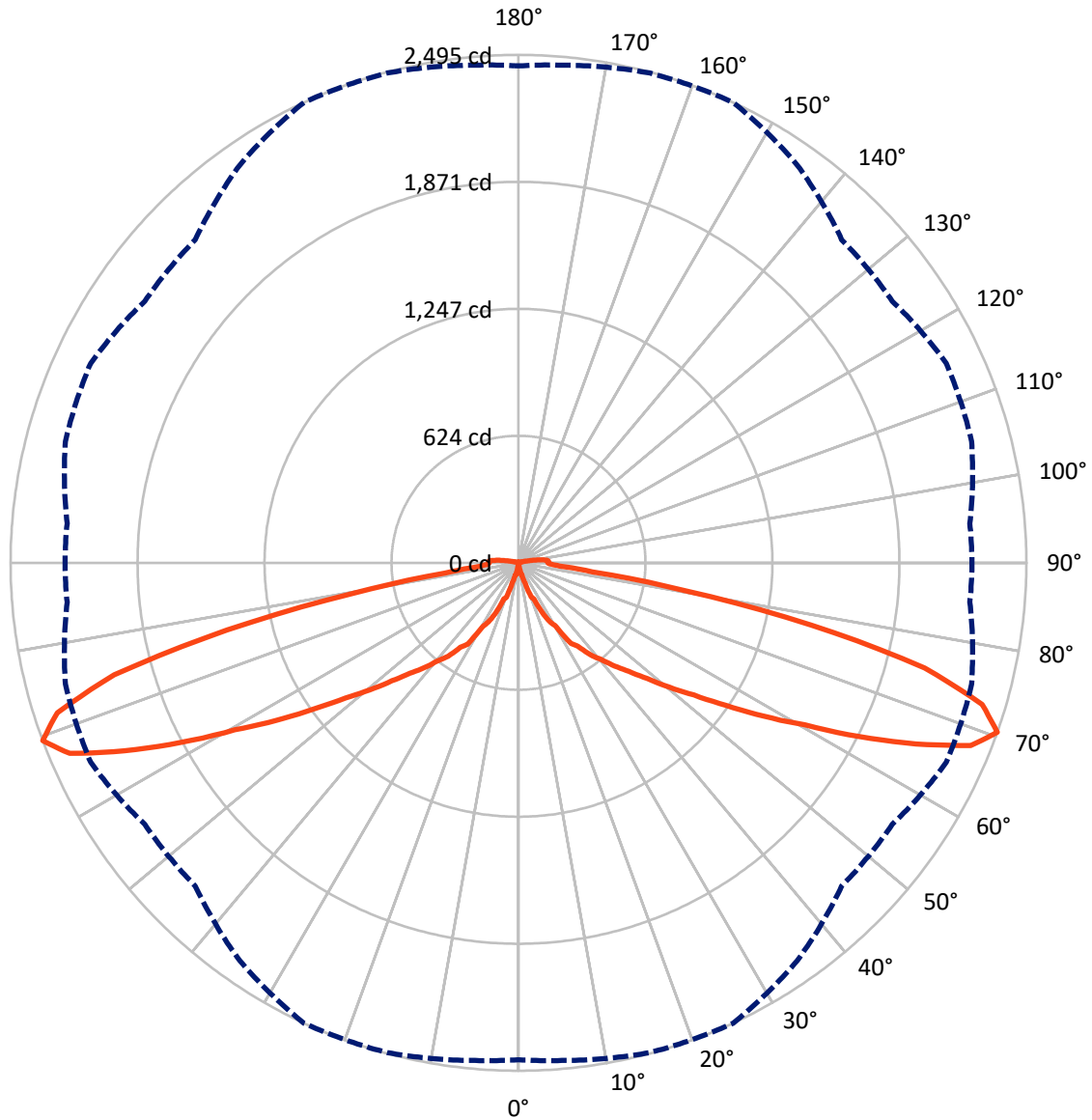
✕ Max cd
 - - - 1/2 Max cd



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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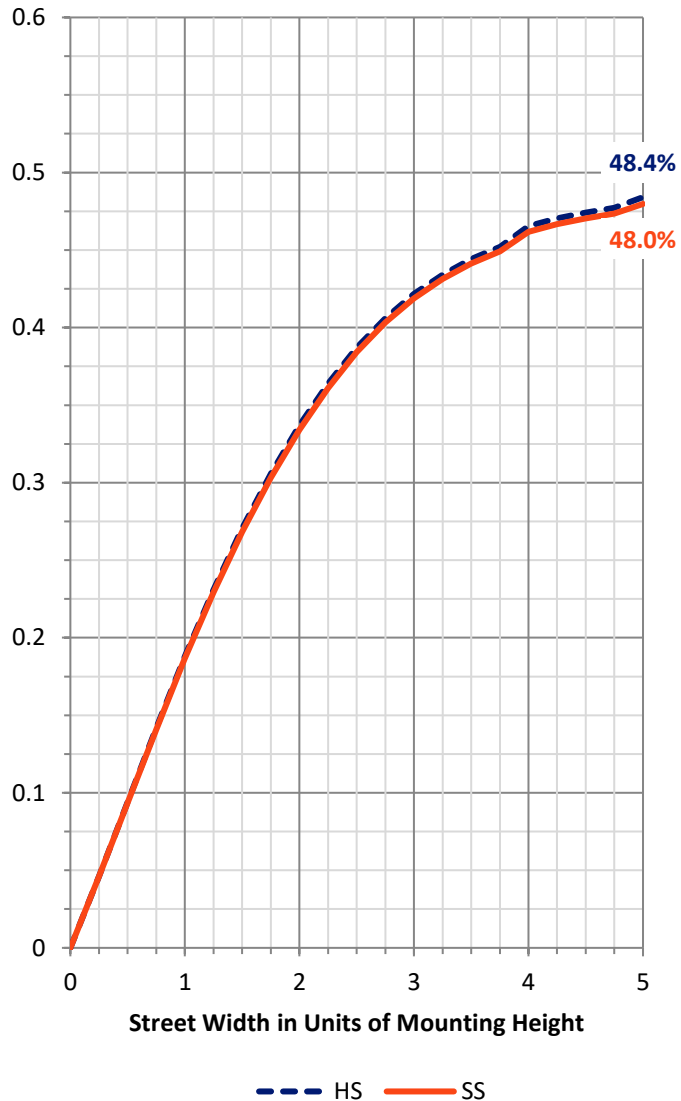
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3252.1	83.4	3335.5
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3252.1	83.4	3335.5
	% Fixture	48.8	1.2	50.0
Total	Lumens	6504.2	166.7	6671.0
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	25.3	0.4
20°-30°	133.4	2.0
30°-40°	335.4	5.0
40°-50°	611.0	9.2
50°-60°	1114.1	16.7
60°-70°	2015.4	30.2
70°-80°	1919.4	28.8
80°-90°	349.6	5.2
90°-100°	135.3	2.0
100°-110°	19.7	0.3
110°-120°	5.1	0.1
120°-130°	3.2	0.0
130°-140°	2.0	0.0
140°-150°	1.4	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6504.2	97.5
0°-180°	6671.0	100.0

Coefficient of Utilization



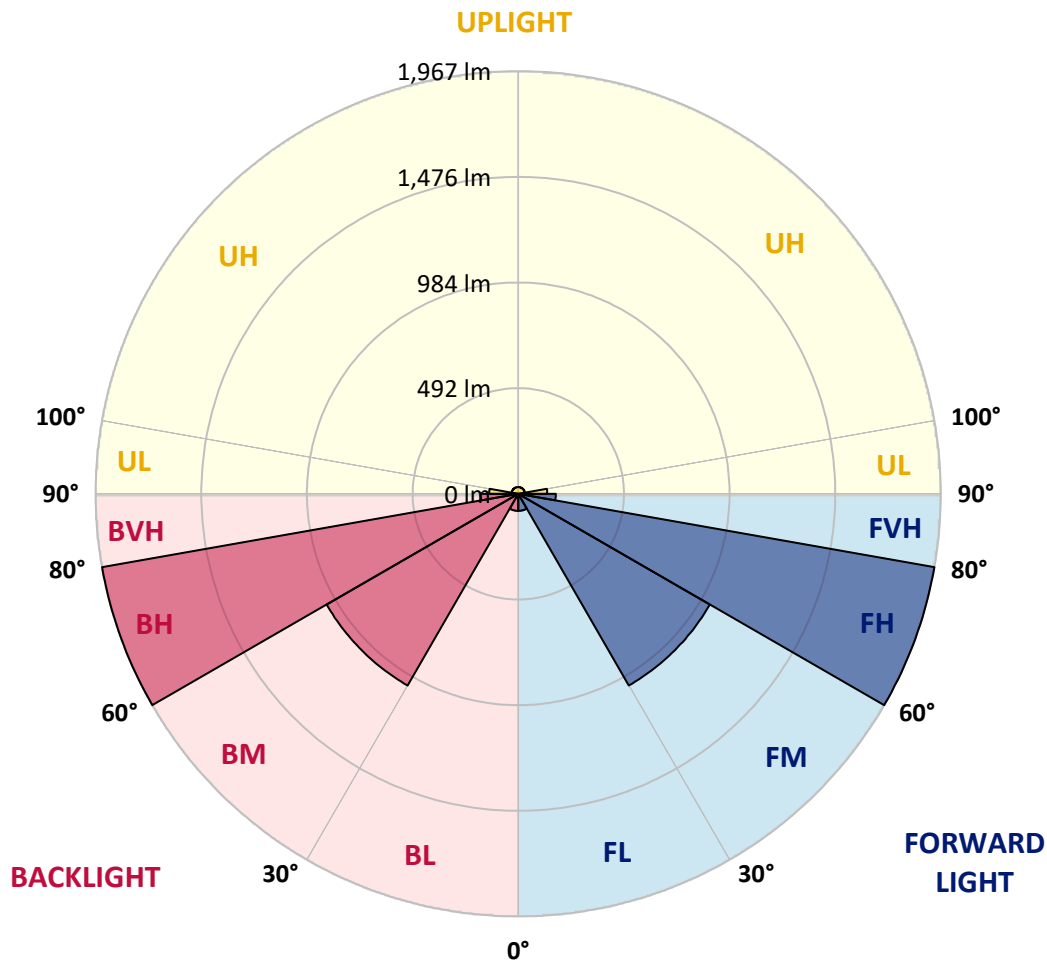
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	79.6	1.2			
FM (30°-60°)	1030.3	15.4			
FH (60°-80°)	1967.4	29.5			G2/5000
FVH (80°-90°)	174.8	2.6			G2/225
BL (0°-30°)	79.6	1.2	B0/110		
BM (30°-60°)	1030.3	15.4	B2/2500		
BH (60°-80°)	1967.4	29.5	B3/2500		G2/5000
BVH (80°-90°)	174.8	2.6			G2/225
UL (90°-100°)	135.3	2.0		U3/500	
UH (100°-180°)	31.5	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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
7.5°	4.3	4.3	4.3	2.2	4.3	2.2	4.3	2.2	2.2	4.3	4.3
10°	45.6	39.1	19.6	13.0	6.5	4.3	4.3	4.3	4.3	4.3	4.3
12.5°	60.9	60.9	58.7	56.5	47.8	13.0	6.5	13.0	21.7	45.6	50.0
15°	73.9	73.9	67.4	63.0	58.7	50.0	47.8	89.1	106.5	113.0	117.4
17.5°	180.4	180.4	165.2	104.3	67.4	93.5	128.2	117.4	123.9	126.0	128.2
20°	195.6	193.4	186.9	180.4	147.8	136.9	147.8	139.1	182.6	197.8	217.3
22.5°	256.4	241.2	213.0	191.2	206.5	184.7	171.7	236.9	252.1	263.0	265.1
25°	336.9	334.7	326.0	271.7	236.9	230.4	243.4	276.0	282.5	299.9	304.3
27.5°	358.6	360.8	343.4	326.0	315.1	286.9	302.1	336.9	391.2	412.9	415.1
30°	502.0	497.7	478.1	362.9	352.1	339.0	358.6	397.7	417.3	441.2	445.5
32.5°	525.9	519.4	512.9	471.6	393.4	386.8	410.7	430.3	525.9	591.1	593.3
35°	619.4	619.4	595.5	504.2	484.6	434.7	452.0	530.3	597.6	625.9	625.9
37.5°	669.4	665.0	645.5	573.7	506.4	484.6	512.9	567.2	634.6	669.4	669.4
40°	725.9	721.5	699.8	623.7	575.9	530.3	569.4	623.7	699.8	730.2	730.2
42.5°	793.2	788.9	765.0	693.3	628.1	586.8	619.4	697.6	765.0	784.5	793.2
45°	873.7	867.1	845.4	760.6	691.1	638.9	669.4	769.3	838.9	875.8	871.5
47.5°	967.1	958.4	934.5	849.7	773.7	706.3	743.3	862.8	943.2	967.1	973.6
50°	1062.7	1058.4	1047.5	960.6	862.8	797.6	845.4	971.4	1049.7	1062.7	1067.1
52.5°	1169.2	1158.4	1160.5	1077.9	984.5	914.9	971.4	1067.1	1169.2	1167.0	1164.9
55°	1293.1	1290.9	1297.4	1236.6	1130.1	1054.0	1117.1	1236.6	1301.8	1295.3	1282.2
57.5°	1438.7	1438.7	1456.1	1421.3	1319.2	1240.9	1282.2	1410.4	1447.4	1423.5	1417.0
60°	1629.9	1619.1	1649.5	1616.9	1547.4	1443.0	1495.2	1606.0	1621.3	1590.8	1597.3
62.5°	1869.0	1864.7	1882.0	1879.9	1797.3	1675.6	1729.9	1829.9	1847.3	1821.2	1832.1
65°	2134.1	2129.8	2151.5	2145.0	2051.6	1921.2	1969.0	2079.8	2079.8	2029.8	2034.2
67.5°	2351.5	2351.5	2384.1	2394.9	2266.7	2101.5	2134.1	2262.4	2253.7	2190.7	2192.8
70°	2440.6	2453.6	2490.6	2494.9	2386.2	2245.0	2240.6	2318.9	2303.7	2225.4	2227.6
72.5°	2288.4	2295.0	2360.2	2381.9	2358.0	2295.0	2227.6	2177.6	2140.7	2086.3	2086.3
75°	1853.8	1849.4	1934.2	2060.3	2132.0	2195.0	2036.3	1892.9	1838.6	1790.8	1808.2
77.5°	1177.9	1158.4	1254.0	1469.1	1664.7	1849.4	1675.6	1464.8	1323.5	1234.4	1221.4
80°	519.4	530.3	608.5	830.2	1093.2	1295.3	1167.0	858.4	665.0	541.1	504.2
82.5°	230.4	234.7	267.3	365.1	608.5	760.6	645.5	393.4	271.7	241.2	239.1
85°	158.6	167.3	163.0	199.9	282.5	341.2	297.7	197.8	165.2	156.5	150.0
87.5°	145.6	147.8	139.1	152.1	186.9	173.9	173.9	141.3	119.5	130.4	128.2
90°	152.1	154.3	139.1	143.4	171.7	154.3	160.8	132.6	123.9	139.1	136.9
92.5°	154.3	165.2	152.1	147.8	171.7	169.5	160.8	136.9	134.7	150.0	147.8
95°	136.9	152.1	136.9	139.1	158.6	160.8	152.1	134.7	139.1	150.0	154.3
97.5°	82.6	89.1	89.1	102.1	110.8	117.4	113.0	97.8	82.6	78.2	73.9
100°	30.4	30.4	43.5	65.2	60.9	50.0	63.0	63.0	36.9	19.6	13.0
102.5°	13.0	13.0	26.1	36.9	26.1	17.4	28.3	39.1	23.9	13.0	10.9
105°	13.0	13.0	15.2	19.6	10.9	8.7	10.9	19.6	10.9	10.9	10.9
107.5°	10.9	10.9	8.7	8.7	6.5	6.5	6.5	6.5	8.7	10.9	13.0
110°	10.9	8.7	6.5	6.5	6.5	6.5	6.5	6.5	6.5	10.9	10.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.7	6.5	4.3	4.3	4.3	6.5	4.3	4.3	4.3	6.5	6.5
115°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5
117.5°	6.5	6.5	4.3	4.3	4.3	4.3	4.3	4.3	4.3	6.5	6.5
120°	6.5	6.5	4.3	2.2	2.2	2.2	4.3	4.3	4.3	6.5	6.5
122.5°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
125°	6.5	6.5	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
127.5°	6.5	4.3	4.3	2.2	2.2	2.2	2.2	2.2	4.3	6.5	6.5
130°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3	4.3
132.5°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
135°	4.3	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3	4.3
137.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
140°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
142.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
145°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
147.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
150°	4.3	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	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)