

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: P695422

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695422
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-PA16-50-750-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 980mA 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: 6318.1 lumens
Efficiency: N/A
Efficacy: 119.0 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

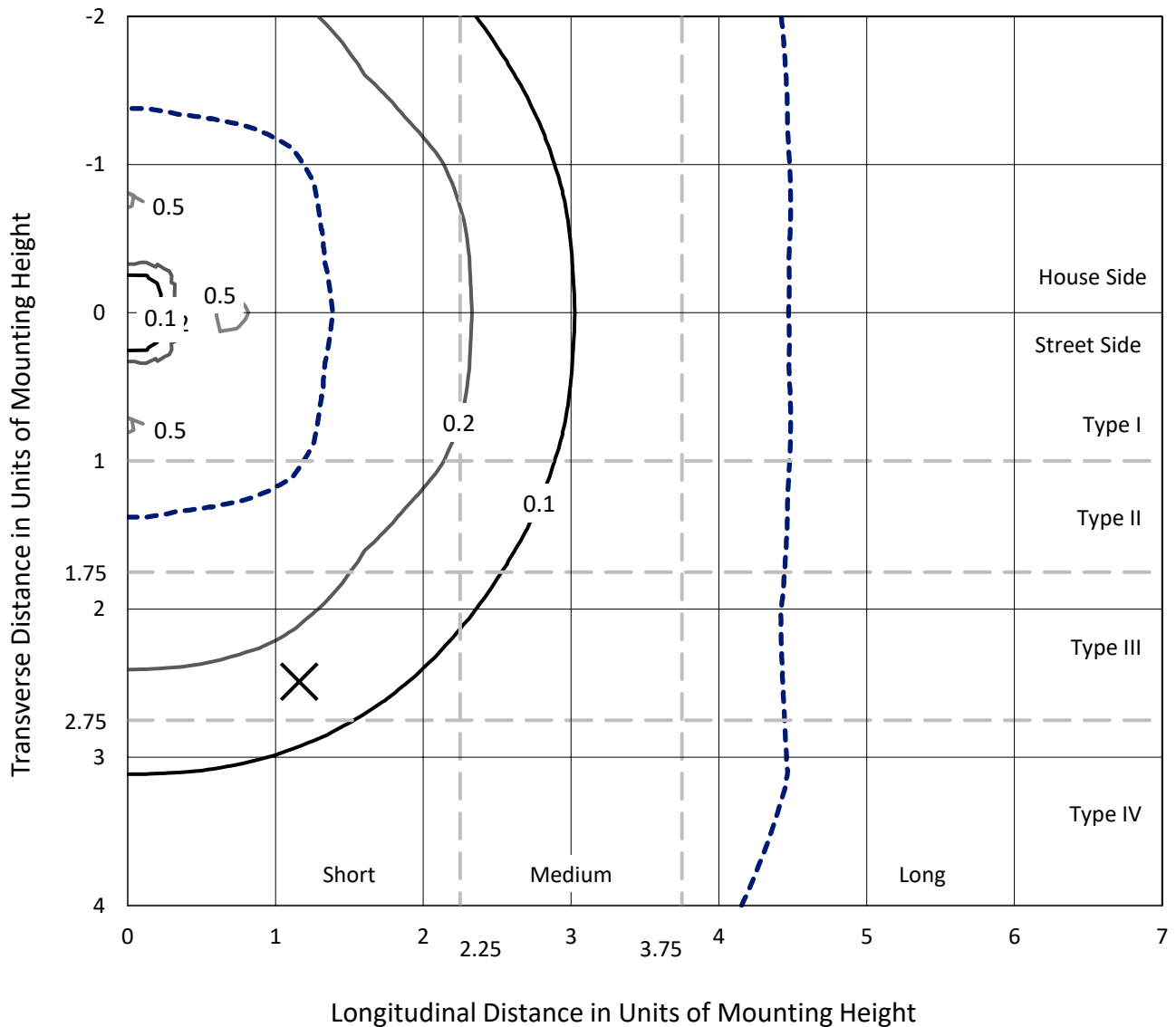
Input Watts (W): 53.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

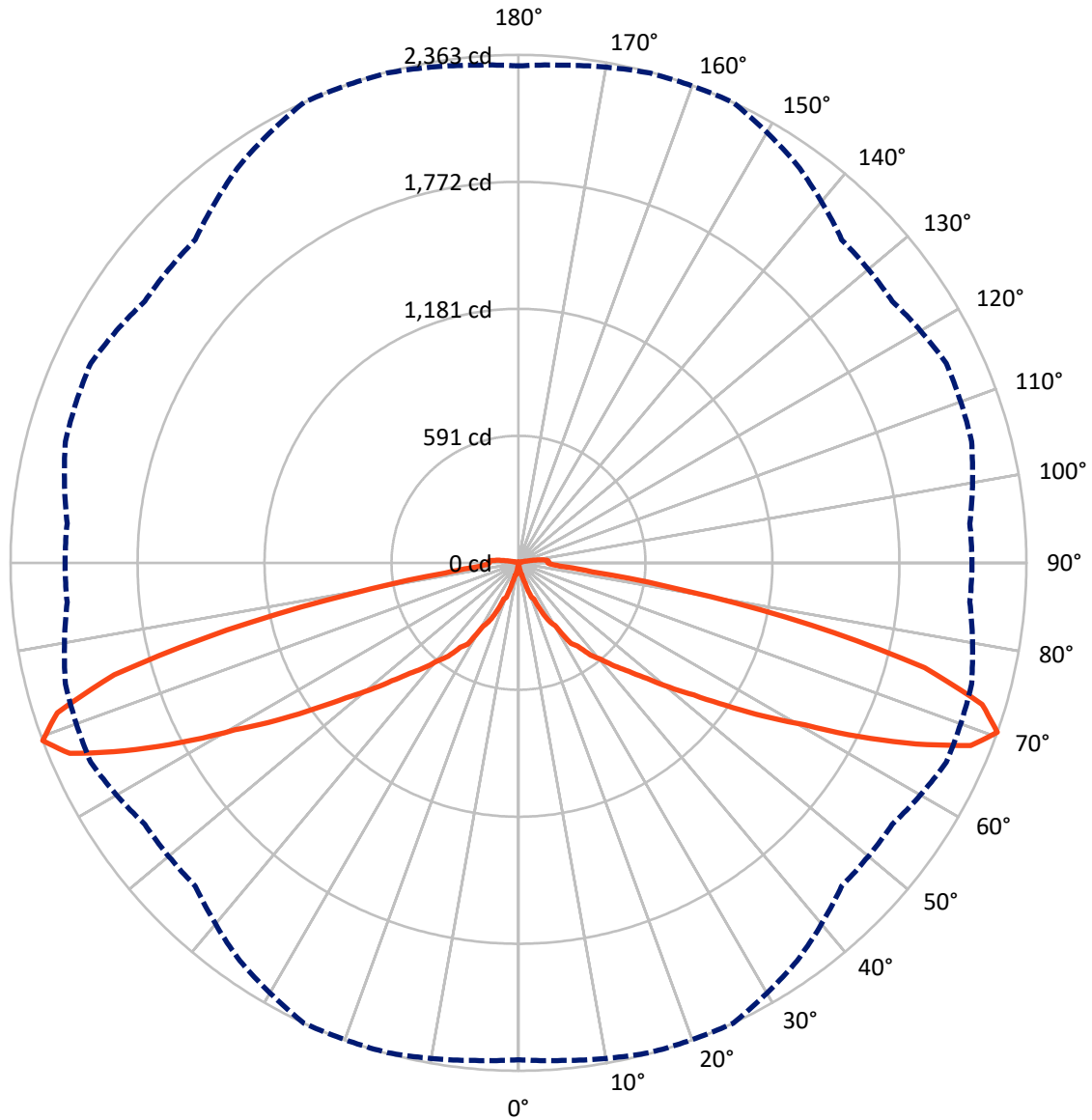
✕ Max cd
 - - - 1/2 Max cd



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

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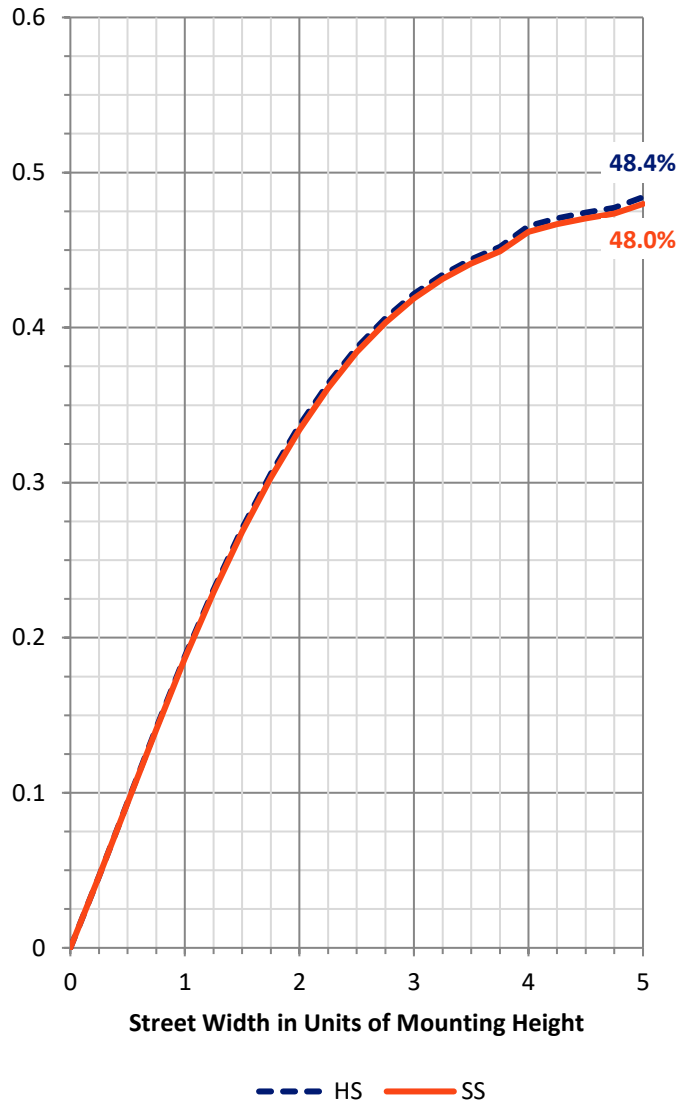
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3080.0	79.0	3159.0
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	3080.0	79.0	3159.0
	% Fixture	48.7	1.3	50.0
Total	Lumens	6160.1	158.0	6318.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.4	0.0
10°-20°	24.0	0.4
20°-30°	126.4	2.0
30°-40°	317.7	5.0
40°-50°	578.7	9.2
50°-60°	1055.2	16.7
60°-70°	1908.8	30.2
70°-80°	1817.9	28.8
80°-90°	331.1	5.2
90°-100°	128.1	2.0
100°-110°	18.7	0.3
110°-120°	4.8	0.1
120°-130°	3.0	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°	6160.1	97.5
0°-180°	6318.1	100.0

Coefficient of Utilization



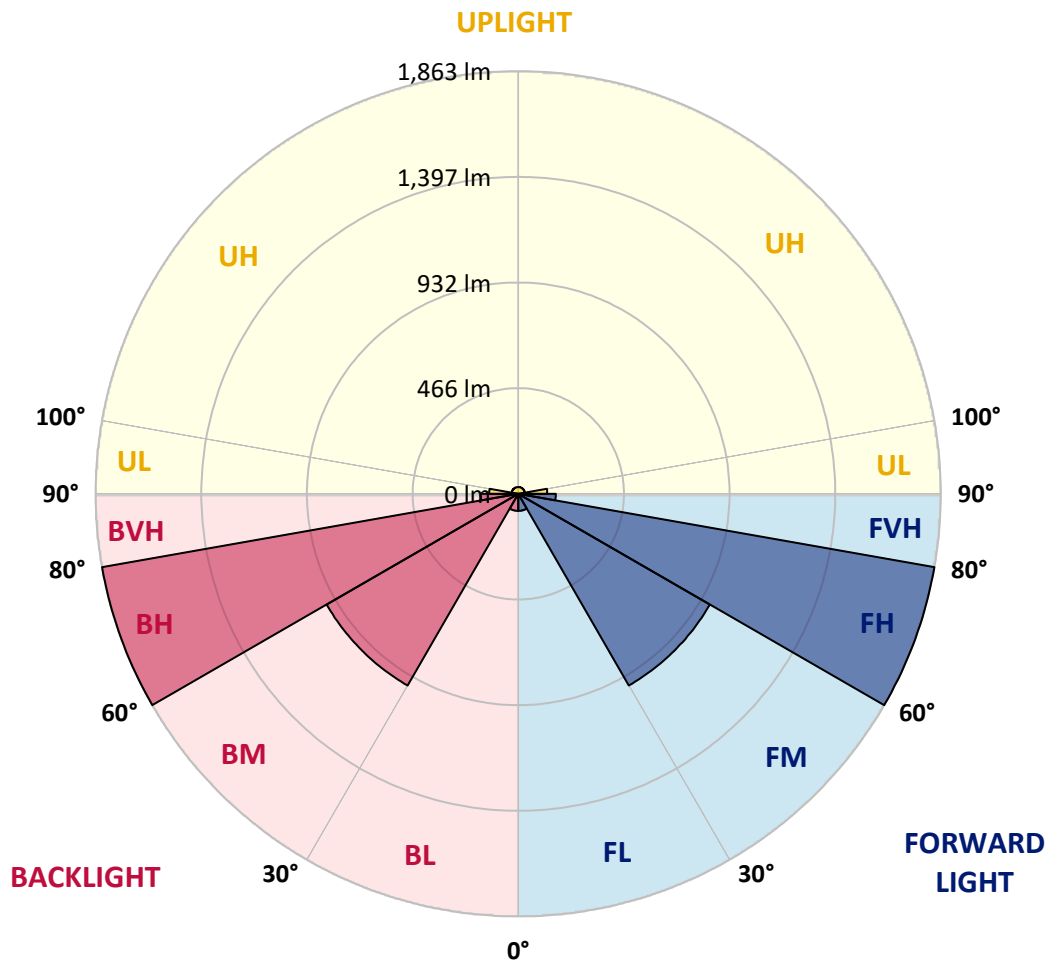
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	75.4	1.2			
FM (30°-60°)	975.8	15.4			
FH (60°-80°)	1863.3	29.5			G2/5000
FVH (80°-90°)	165.6	2.6			G2/225
BL (0°-30°)	75.4	1.2	B0/110		
BM (30°-60°)	975.8	15.4	B1/1000		
BH (60°-80°)	1863.3	29.5	B3/2500		G2/5000
BVH (80°-90°)	165.6	2.6			G2/225
UL (90°-100°)	128.1	2.0		U3/500	
UH (100°-180°)	29.9	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°	4.1	4.1	4.1	2.1	4.1	2.1	4.1	2.1	2.1	4.1	4.1
10°	43.2	37.0	18.5	12.3	6.2	4.1	4.1	4.1	4.1	4.1	4.1
12.5°	57.6	57.6	55.6	53.5	45.3	12.3	6.2	12.3	20.6	43.2	47.3
15°	70.0	70.0	63.8	59.7	55.6	47.3	45.3	84.4	100.9	107.0	111.1
17.5°	170.8	170.8	156.4	98.8	63.8	88.5	121.4	111.1	117.3	119.4	121.4
20°	185.2	183.2	177.0	170.8	140.0	129.7	140.0	131.7	172.9	187.3	205.8
22.5°	242.9	228.5	201.7	181.1	195.5	175.0	162.6	224.4	238.8	249.1	251.1
25°	319.0	317.0	308.7	257.3	224.4	218.2	230.5	261.4	267.6	284.0	288.2
27.5°	339.6	341.7	325.2	308.7	298.4	271.7	286.1	319.0	370.5	391.1	393.1
30°	475.5	471.3	452.8	343.7	333.4	321.1	339.6	376.7	395.2	417.8	421.9
32.5°	498.1	491.9	485.8	446.6	372.5	366.4	389.0	407.5	498.1	559.8	561.9
35°	586.6	586.6	564.0	477.5	459.0	411.7	428.1	502.2	566.0	592.8	592.8
37.5°	633.9	629.8	611.3	543.4	479.6	459.0	485.8	537.2	601.0	633.9	633.9
40°	687.5	683.3	662.8	590.7	545.4	502.2	539.3	590.7	662.8	691.6	691.6
42.5°	751.3	747.2	724.5	656.6	594.8	555.7	586.6	660.7	724.5	743.0	751.3
45°	827.4	821.2	800.7	720.4	654.5	605.1	633.9	728.6	794.5	829.5	825.4
47.5°	915.9	907.7	885.1	804.8	732.7	668.9	703.9	817.1	893.3	915.9	922.1
50°	1006.5	1002.4	992.1	909.8	817.1	755.4	800.7	920.0	994.1	1006.5	1010.6
52.5°	1107.3	1097.1	1099.1	1020.9	932.4	866.5	920.0	1010.6	1107.3	1105.3	1103.2
55°	1224.7	1222.6	1228.8	1171.2	1070.3	998.3	1057.9	1171.2	1232.9	1226.7	1214.4
57.5°	1362.6	1362.6	1379.0	1346.1	1249.4	1175.3	1214.4	1335.8	1370.8	1348.2	1342.0
60°	1543.7	1533.4	1562.2	1531.3	1465.5	1366.7	1416.1	1521.1	1535.5	1506.7	1512.8
62.5°	1770.1	1766.0	1782.5	1780.4	1702.2	1586.9	1638.4	1733.1	1749.5	1724.8	1735.1
65°	2021.2	2017.1	2037.7	2031.5	1943.0	1819.5	1864.8	1969.8	1969.8	1922.4	1926.5
67.5°	2227.0	2227.0	2257.9	2268.2	2146.8	1990.3	2021.2	2142.7	2134.4	2074.7	2076.8
70°	2311.4	2323.8	2358.8	2362.9	2260.0	2126.2	2122.1	2196.2	2181.8	2107.7	2109.7
72.5°	2167.4	2173.5	2235.3	2255.9	2233.2	2173.5	2109.7	2062.4	2027.4	1975.9	1975.9
75°	1755.7	1751.6	1831.9	1951.2	2019.2	2078.8	1928.6	1792.7	1741.3	1696.0	1712.5
77.5°	1115.6	1097.1	1187.6	1391.4	1576.6	1751.6	1586.9	1387.3	1253.5	1169.1	1156.7
80°	491.9	502.2	576.3	786.3	1035.3	1226.7	1105.3	813.0	629.8	512.5	477.5
82.5°	218.2	222.3	253.2	345.8	576.3	720.4	611.3	372.5	257.3	228.5	226.4
85°	150.3	158.5	154.4	189.4	267.6	323.1	282.0	187.3	156.4	148.2	142.0
87.5°	137.9	140.0	131.7	144.1	177.0	164.7	164.7	133.8	113.2	123.5	121.4
90°	144.1	146.1	131.7	135.8	162.6	146.1	152.3	125.6	117.3	131.7	129.7
92.5°	146.1	156.4	144.1	140.0	162.6	160.5	152.3	129.7	127.6	142.0	140.0
95°	129.7	144.1	129.7	131.7	150.3	152.3	144.1	127.6	131.7	142.0	146.1
97.5°	78.2	84.4	84.4	96.7	105.0	111.1	107.0	92.6	78.2	74.1	70.0
100°	28.8	28.8	41.2	61.7	57.6	47.3	59.7	59.7	35.0	18.5	12.3
102.5°	12.3	12.3	24.7	35.0	24.7	16.5	26.8	37.0	22.6	12.3	10.3
105°	12.3	12.3	14.4	18.5	10.3	8.2	10.3	18.5	10.3	10.3	10.3
107.5°	10.3	10.3	8.2	8.2	6.2	6.2	6.2	6.2	8.2	10.3	12.3
110°	10.3	8.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	10.3	10.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.2	6.2	4.1	4.1	4.1	6.2	4.1	4.1	4.1	6.2	6.2
115°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
117.5°	6.2	6.2	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
120°	6.2	6.2	4.1	2.1	2.1	2.1	4.1	4.1	4.1	6.2	6.2
122.5°	6.2	6.2	4.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	6.2
125°	6.2	6.2	4.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	6.2
127.5°	6.2	4.1	4.1	2.1	2.1	2.1	2.1	2.1	4.1	6.2	6.2
130°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1	4.1
132.5°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
135°	4.1	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
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°	4.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	2.1	4.1	4.1
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)