

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: P695874

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

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695874
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-PA16-730-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1340mA 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: 7010 lumens
Efficiency: N/A
Efficacy: 97.4 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

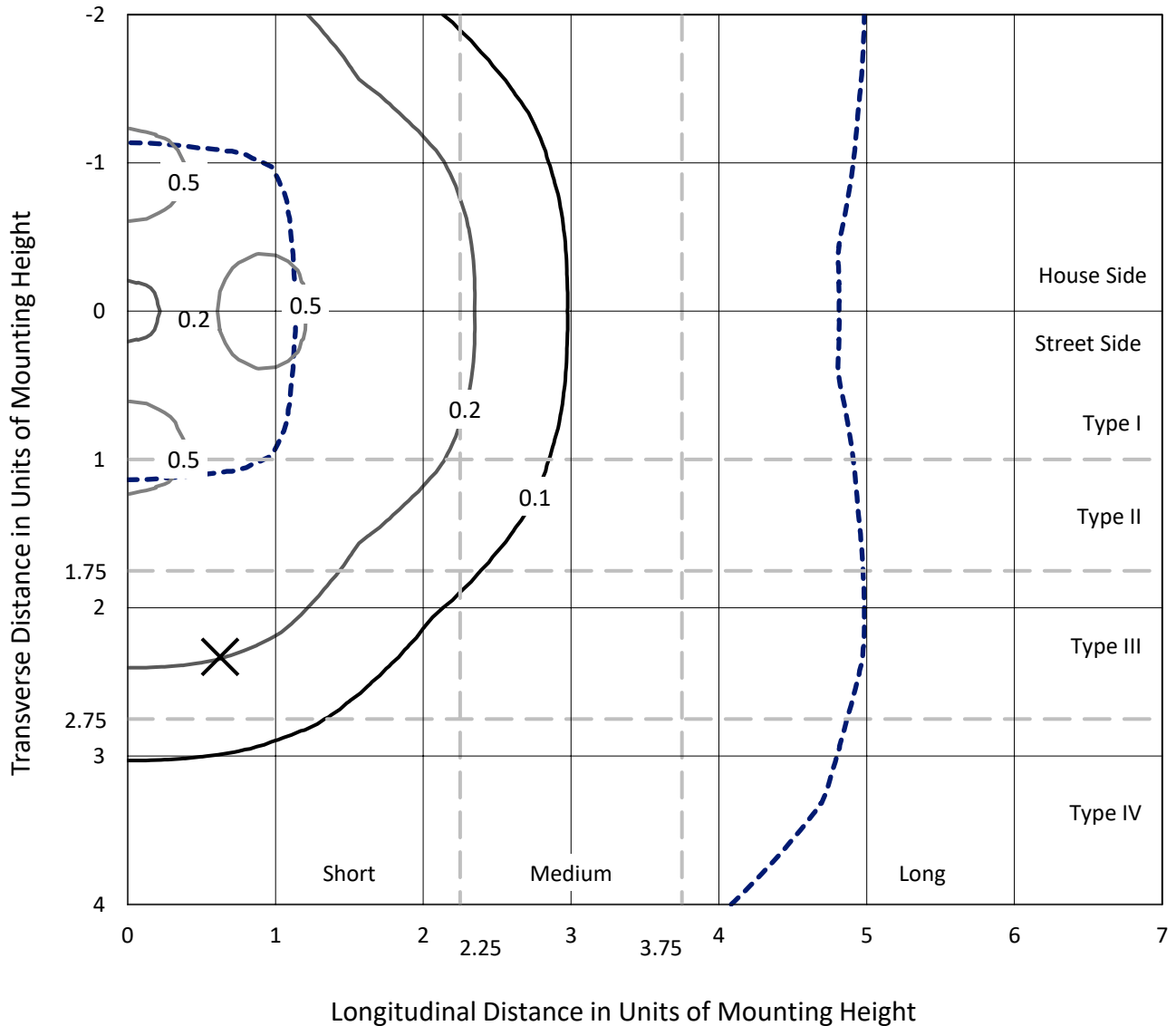
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

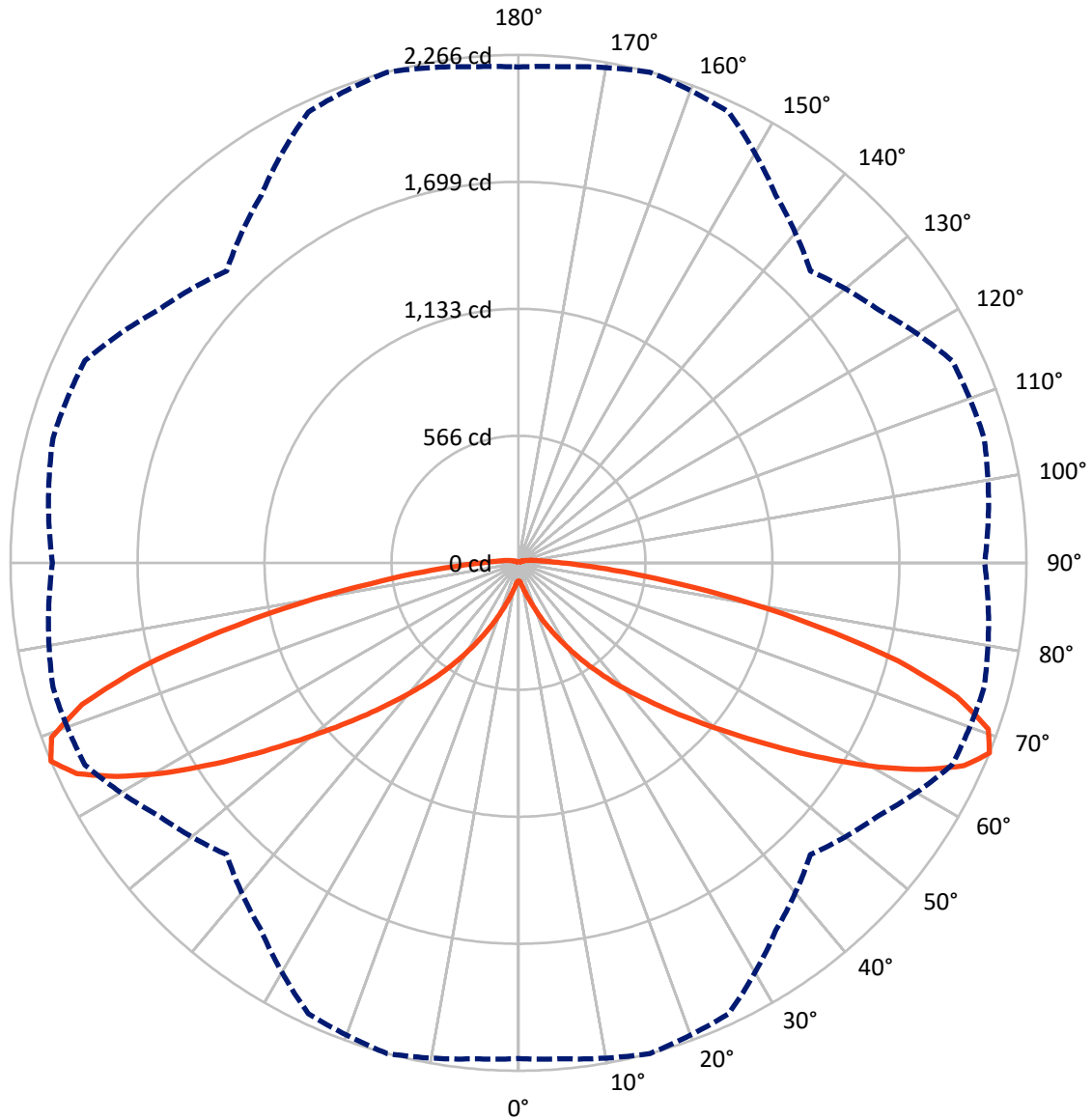
× Max cd
 - - - 1/2 Max cd



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 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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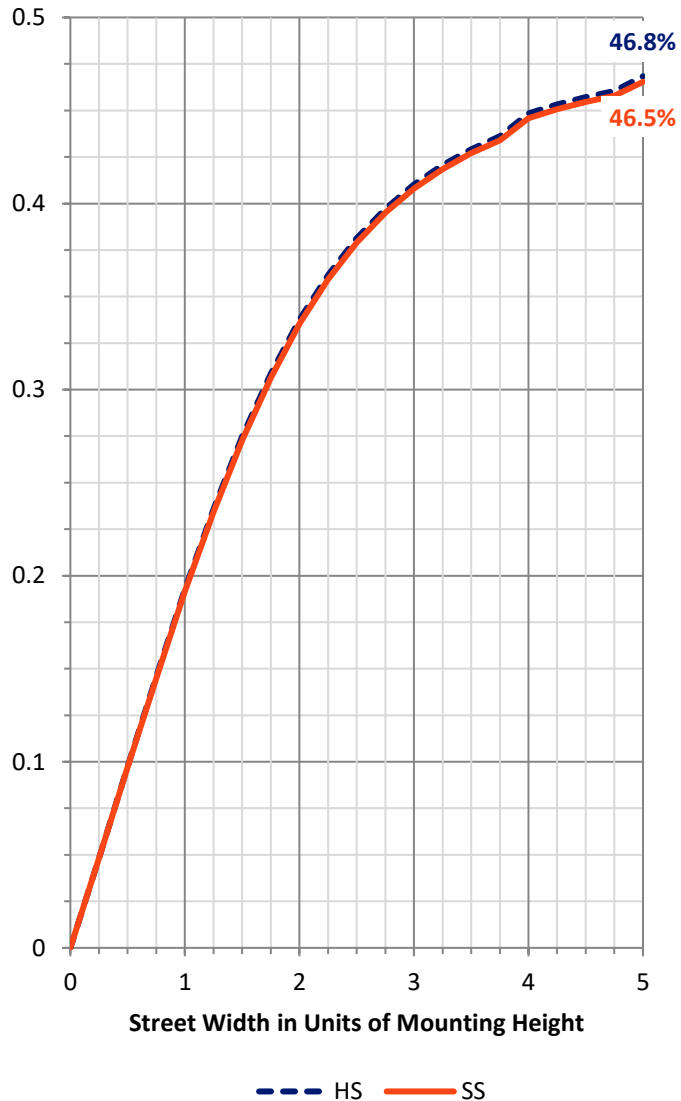
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3392.3	112.7	3505.0
	% Fixture	48.4	1.6	50.0
Street Side	Lumens	3392.3	112.7	3505.0
	% Fixture	48.4	1.6	50.0
Total	Lumens	6784.7	225.3	7010.0
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	9.3	0.1
10°-20°	47.6	0.7
20°-30°	149.3	2.1
30°-40°	350.9	5.0
40°-50°	684.2	9.8
50°-60°	1251.9	17.9
60°-70°	1967.2	28.1
70°-80°	1734.4	24.7
80°-90°	589.9	8.4
90°-100°	132.1	1.9
100°-110°	50.7	0.7
110°-120°	22.3	0.3
120°-130°	11.2	0.2
130°-140°	6.1	0.1
140°-150°	2.8	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6784.7	96.8
0°-180°	7010.0	100.0

Coefficient of Utilization



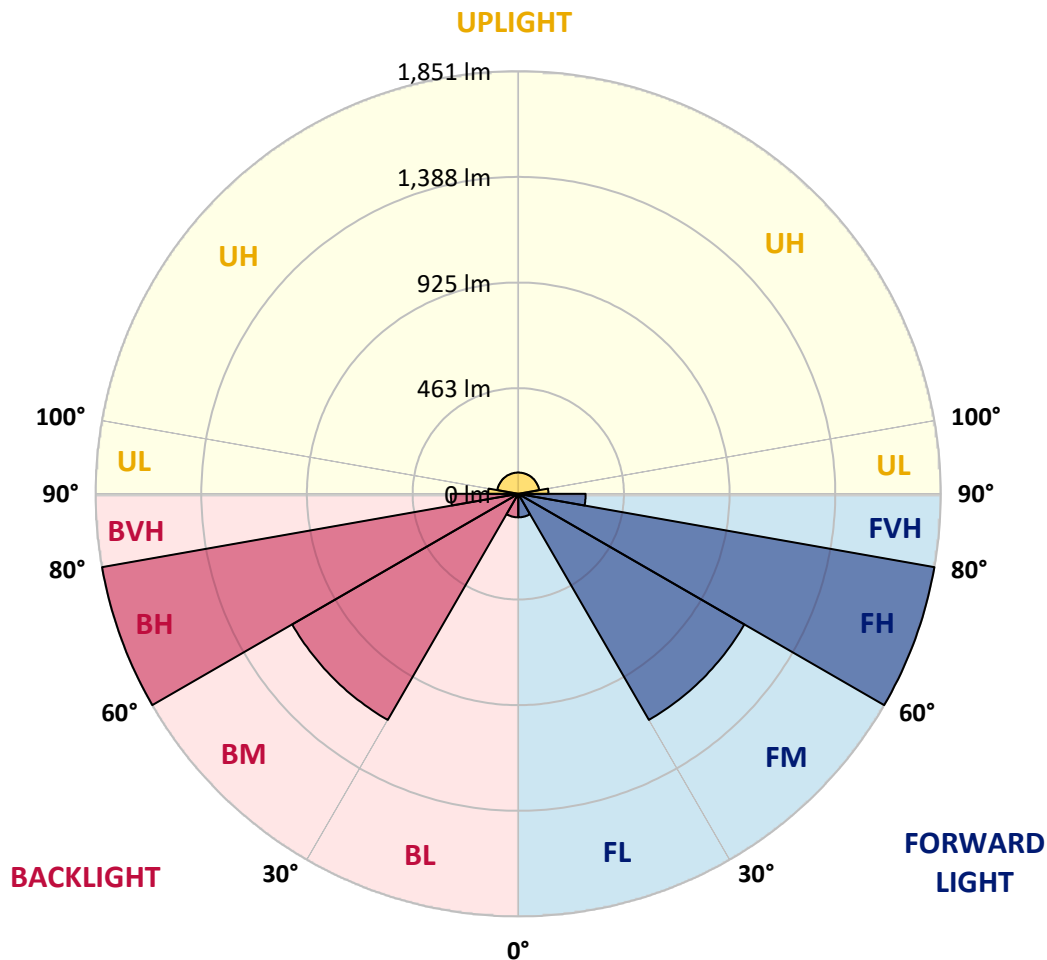
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	103.1	1.5			
FM (30°-60°)	1143.5	16.3			
FH (60°-80°)	1850.8	26.4			G2/5000
FVH (80°-90°)	295.0	4.2			G3/500
BL (0°-30°)	103.1	1.5	B0/110		
BM (30°-60°)	1143.5	16.3	B2/2500		
BH (60°-80°)	1850.8	26.4	B3/2500		G2/5000
BVH (80°-90°)	295.0	4.2			G3/500
UL (90°-100°)	132.1	1.9		U3/500	
UH (100°-180°)	93.2	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°	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6	82.6
2.5°	82.6	82.6	82.6	82.6	85.0	85.0	85.0	82.6	82.6	82.6	82.6
5°	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	89.7	87.3
7.5°	99.1	99.1	99.1	99.1	99.1	101.5	99.1	99.1	99.1	99.1	99.1
10°	115.6	115.6	115.6	115.6	113.3	113.3	113.3	113.3	110.9	113.3	110.9
12.5°	136.9	136.9	136.9	134.5	132.2	132.2	132.2	129.8	132.2	132.2	132.2
15°	165.2	165.2	162.8	160.5	155.8	153.4	155.8	155.8	155.8	158.1	158.1
17.5°	195.9	198.2	193.5	188.8	184.1	184.1	181.7	184.1	188.8	191.2	191.2
20°	240.7	238.4	231.3	224.2	217.1	214.8	214.8	221.8	226.6	228.9	231.3
22.5°	285.6	285.6	278.5	264.3	254.9	250.2	252.5	259.6	271.4	280.8	280.8
25°	342.2	337.5	328.0	309.2	295.0	290.3	292.6	304.4	323.3	330.4	335.1
27.5°	398.8	396.5	382.3	361.1	339.8	330.4	337.5	358.7	380.0	394.1	398.8
30°	464.9	462.6	446.0	417.7	389.4	375.2	387.0	413.0	446.0	462.6	467.3
32.5°	538.1	535.7	514.5	476.7	439.0	424.8	439.0	476.7	514.5	535.7	538.1
35°	616.0	608.9	585.3	542.8	493.2	474.4	493.2	542.8	587.6	616.0	618.3
37.5°	693.8	689.1	663.2	613.6	554.6	531.0	552.2	616.0	665.5	698.6	691.5
40°	774.1	771.7	745.8	686.8	620.7	590.0	623.0	686.8	748.1	783.5	785.9
42.5°	866.1	866.1	833.1	771.7	691.5	656.1	691.5	774.1	842.5	870.8	873.2
45°	967.6	960.5	934.6	868.5	776.4	734.0	776.4	868.5	936.9	970.0	967.6
47.5°	1073.8	1069.1	1045.5	979.4	870.8	826.0	868.5	974.7	1045.5	1069.1	1069.1
50°	1196.5	1191.8	1170.6	1102.1	984.1	929.8	986.5	1092.7	1170.6	1191.8	1184.7
52.5°	1338.1	1324.0	1314.5	1248.4	1121.0	1050.2	1111.6	1239.0	1309.8	1314.5	1314.5
55°	1477.4	1486.8	1479.7	1408.9	1267.3	1182.4	1257.9	1397.1	1460.8	1470.3	1458.5
57.5°	1654.4	1663.8	1659.1	1585.9	1432.5	1331.0	1416.0	1569.4	1623.7	1621.3	1619.0
60°	1850.2	1855.0	1850.2	1786.5	1616.6	1489.2	1590.6	1751.1	1803.0	1788.9	1777.1
62.5°	2022.5	2027.2	2029.6	1982.4	1779.4	1637.8	1741.7	1923.4	1963.5	1939.9	1932.8
65°	2161.8	2159.4	2183.0	2133.4	1918.7	1760.6	1878.6	2069.7	2093.3	2055.6	2043.8
67.5°	2211.3	2220.8	2265.6	2218.4	2001.3	1840.8	1963.5	2133.4	2150.0	2102.8	2079.2
70°	2147.6	2168.8	2223.1	2199.5	2001.3	1852.6	1965.9	2114.6	2107.5	2048.5	2024.9
72.5°	1973.0	1977.7	2046.1	2057.9	1911.6	1788.9	1876.2	1982.4	1947.0	1866.8	1859.7
75°	1663.8	1663.8	1748.8	1800.7	1720.4	1621.3	1689.8	1737.0	1682.7	1588.3	1576.5
77.5°	1274.4	1288.6	1359.4	1472.6	1453.8	1406.6	1437.2	1446.7	1333.4	1234.3	1236.6
80°	896.8	915.7	991.2	1106.8	1139.9	1137.5	1144.6	1083.2	977.0	896.8	885.0
82.5°	601.8	592.4	663.2	767.0	844.9	859.0	854.3	769.4	665.5	590.0	580.6
85°	365.8	368.2	424.8	509.8	580.6	616.0	590.0	514.5	420.1	370.5	368.2
87.5°	226.6	231.3	264.3	321.0	394.1	427.2	398.8	332.8	264.3	228.9	226.6
90°	153.4	153.4	174.6	210.0	259.6	292.6	266.7	214.8	174.6	153.4	151.0
92.5°	110.9	115.6	122.7	146.3	181.7	203.0	184.1	146.3	122.7	110.9	108.6
95°	87.3	87.3	94.4	106.2	132.2	146.3	132.2	108.6	94.4	85.0	85.0
97.5°	68.4	70.8	75.5	85.0	101.5	110.9	101.5	85.0	75.5	68.4	66.1
100°	54.3	56.6	61.4	70.8	82.6	87.3	82.6	70.8	61.4	54.3	54.3
102.5°	42.5	44.8	49.6	59.0	68.4	70.8	68.4	56.6	49.6	42.5	42.5
105°	33.0	33.0	40.1	49.6	56.6	59.0	56.6	47.2	40.1	33.0	33.0
107.5°	26.0	26.0	33.0	40.1	47.2	49.6	47.2	40.1	30.7	26.0	26.0
110°	21.2	21.2	26.0	33.0	40.1	42.5	40.1	33.0	26.0	21.2	21.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.5	16.5	21.2	28.3	33.0	35.4	33.0	28.3	21.2	16.5	16.5
115°	14.2	14.2	16.5	23.6	28.3	30.7	28.3	23.6	16.5	14.2	14.2
117.5°	11.8	11.8	14.2	18.9	23.6	26.0	23.6	18.9	14.2	11.8	11.8
120°	11.8	11.8	11.8	16.5	21.2	23.6	21.2	16.5	11.8	11.8	11.8
122.5°	9.4	9.4	11.8	14.2	18.9	18.9	16.5	14.2	11.8	9.4	9.4
125°	9.4	9.4	9.4	11.8	14.2	16.5	14.2	11.8	9.4	9.4	9.4
127.5°	9.4	9.4	9.4	9.4	14.2	14.2	14.2	9.4	9.4	9.4	9.4
130°	7.1	7.1	7.1	9.4	11.8	11.8	11.8	9.4	9.4	7.1	9.4
132.5°	7.1	7.1	7.1	9.4	9.4	11.8	9.4	9.4	7.1	7.1	7.1
135°	7.1	7.1	7.1	7.1	9.4	9.4	9.4	7.1	7.1	7.1	7.1
137.5°	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1	7.1
140°	4.7	4.7	4.7	4.7	7.1	7.1	7.1	4.7	4.7	7.1	4.7
142.5°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
145°	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
147.5°	2.4	4.7	2.4	2.4	2.4	4.7	4.7	4.7	4.7	4.7	4.7
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
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)