

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: P254529

Luminaire Tested: **LXF.LXT-AF24-50-D-U-5WQ-CL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254529
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-50-D-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5879.9 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G2

Input Watts (W): 54
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: 28.75 FT

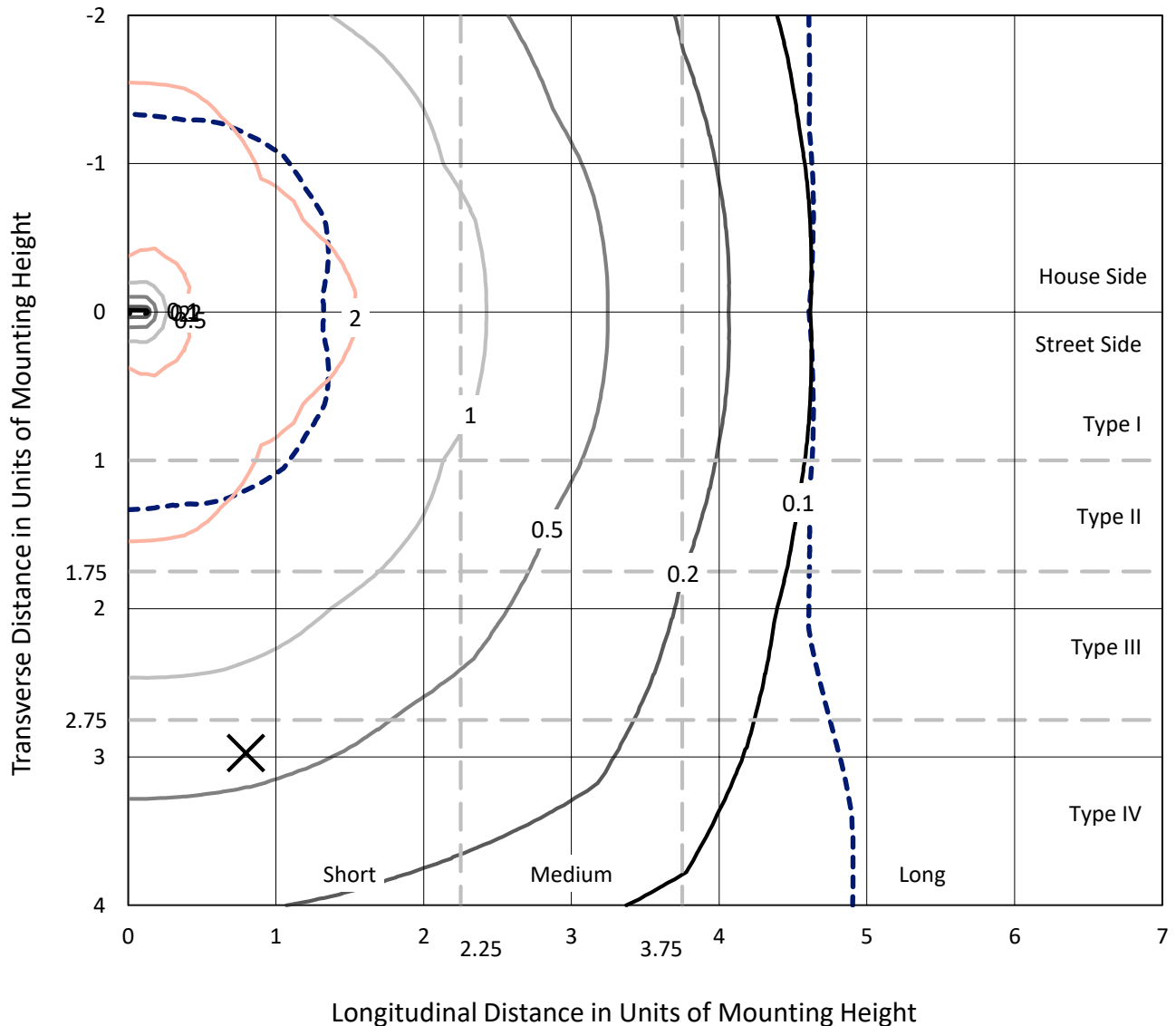


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

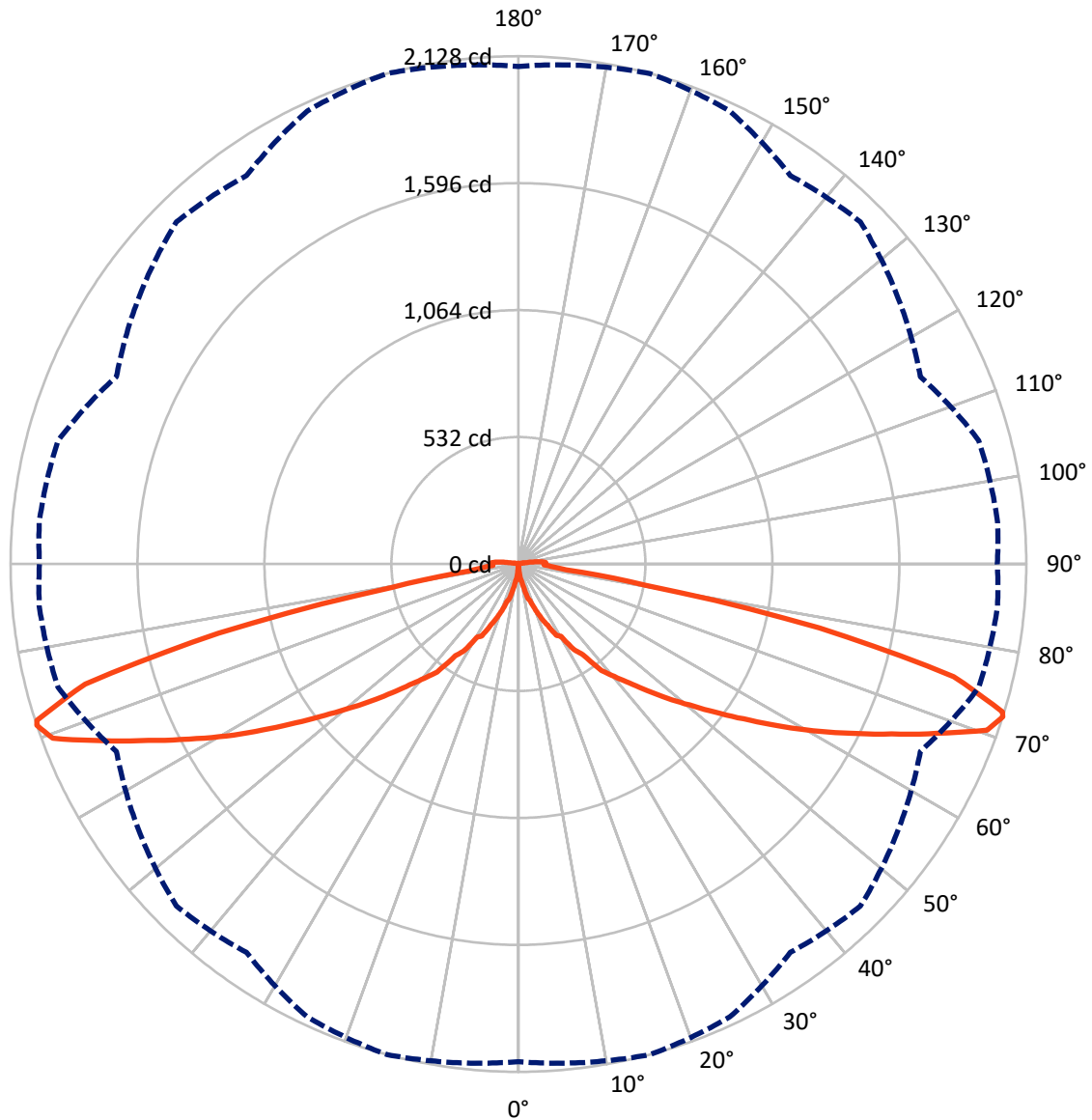


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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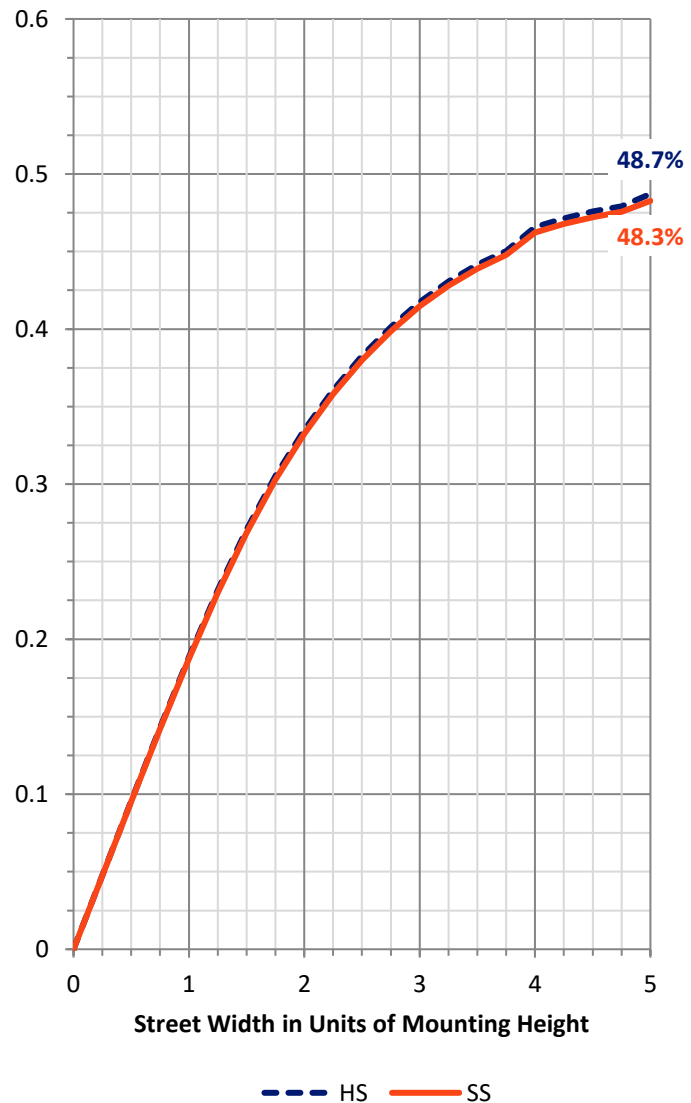
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2873.7	66.3	2939.9
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	2873.7	66.3	2939.9
	% Fixture	48.9	1.1	50.0
Total	Lumens	5747.3	132.5	5879.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.6	0.0
10°-20°	35.4	0.6
20°-30°	133.1	2.3
30°-40°	300.9	5.1
40°-50°	546.6	9.3
50°-60°	980.2	16.7
60°-70°	1656.7	28.2
70°-80°	1779.8	30.3
80°-90°	312.1	5.3
90°-100°	108.5	1.8
100°-110°	14.4	0.2
110°-120°	4.1	0.1
120°-130°	2.5	0.0
130°-140°	1.5	0.0
140°-150°	1.2	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5747.3	97.7
0°-180°	5879.9	100.0



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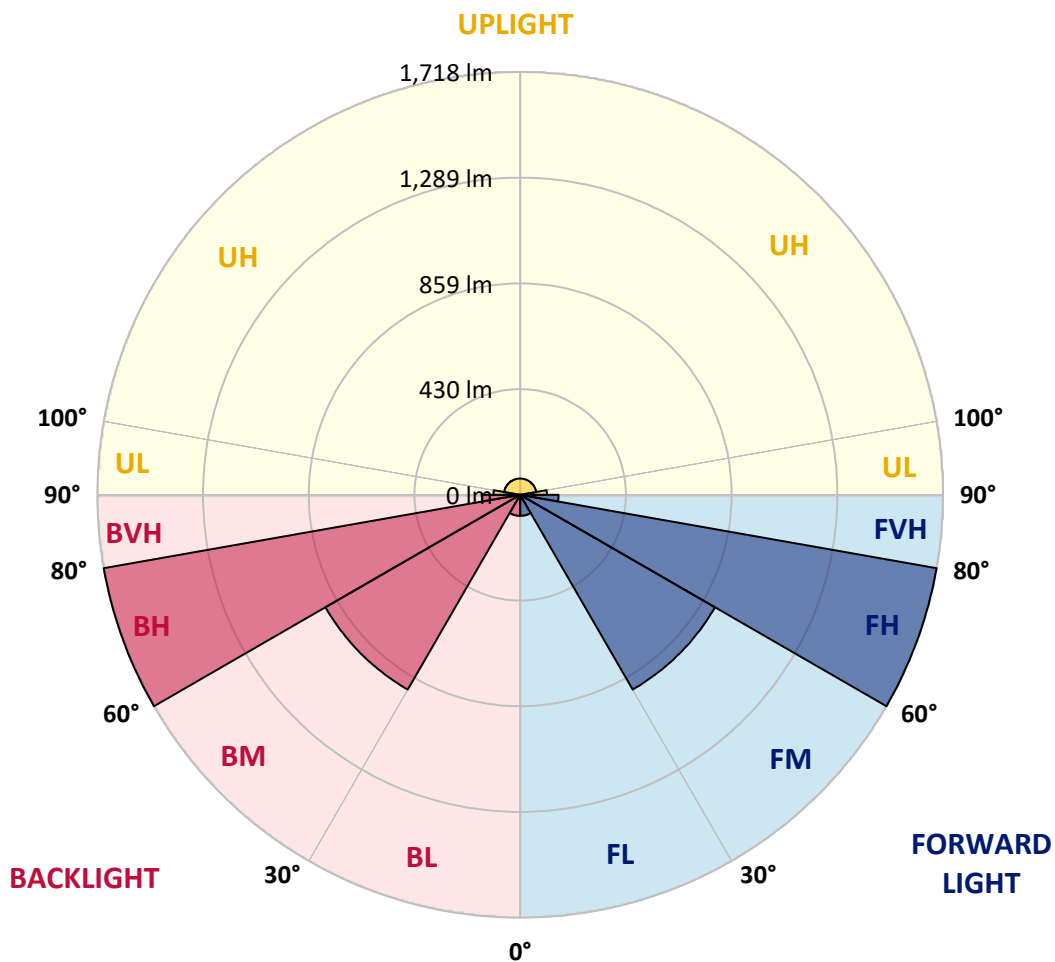
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	85.5	1.5			
FM (30°-60°)	913.9	15.5			
FH (60°-80°)	1718.2	29.2			G1/1800
FVH (80°-90°)	156.0	2.7			G2/225
BL (0°-30°)	85.5	1.5	B0/110		
BM (30°-60°)	913.9	15.5	B1/1000		
BH (60°-80°)	1718.2	29.2	B3/2500		G1/1800
BVH (80°-90°)	156.0	2.7			G2/225
UL (90°-100°)	108.5	1.8		U3/500	
UH (100°-180°)	66.3	1.1		U3/500	

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°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
2.5°	5.3	5.3	5.3	4.6	4.6	4.6	4.6	4.0	4.6	4.6	4.6
5°	29.8	31.1	27.8	27.1	12.6	9.9	5.9	4.6	4.6	4.6	4.6
7.5°	66.8	66.8	64.9	58.2	43.0	35.7	19.8	7.3	5.3	4.6	4.6
10°	76.7	75.4	72.1	72.1	69.5	63.5	37.7	17.9	8.0	7.3	7.3
12.5°	116.4	116.4	106.5	97.9	77.4	70.2	59.5	42.4	43.7	70.2	80.1
15°	155.5	155.5	149.6	138.9	110.5	82.0	107.2	125.7	106.5	114.5	115.1
17.5°	172.7	172.1	164.1	154.8	142.9	157.4	148.8	144.2	125.7	126.3	129.0
20°	239.5	236.8	207.0	189.9	166.7	201.8	177.3	166.0	212.4	228.2	233.5
22.5°	256.0	254.1	246.1	230.3	240.8	216.4	218.3	240.2	244.2	252.1	254.1
25°	303.0	302.4	283.9	255.3	277.2	247.5	281.2	256.7	272.6	317.5	334.8
27.5°	346.0	344.7	338.1	305.7	292.5	320.9	299.7	333.5	368.5	378.4	386.4
30°	387.7	385.8	352.0	356.6	326.1	340.0	365.2	371.1	384.4	410.2	411.5
32.5°	454.5	449.9	427.4	396.9	388.3	363.9	392.3	393.6	485.6	533.3	544.5
35°	521.3	516.7	466.5	452.6	422.8	432.0	420.1	480.3	518.0	563.0	570.9
37.5°	608.7	604.1	566.3	500.8	471.7	458.5	488.9	513.4	545.8	606.0	605.4
40°	656.3	654.3	619.9	568.4	519.4	504.1	520.0	541.9	592.1	646.4	652.3
42.5°	713.2	708.6	681.5	621.2	580.2	557.1	553.7	596.8	650.4	707.9	709.2
45°	782.0	775.4	756.2	676.8	636.5	618.0	617.2	662.3	724.5	782.0	788.6
47.5°	859.4	853.4	840.9	748.3	709.2	685.4	700.6	729.1	792.6	861.4	868.7
50°	942.8	939.5	928.8	840.3	807.8	769.5	786.6	804.4	880.6	946.7	948.7
52.5°	1032.1	1034.1	1029.4	943.5	907.7	879.9	899.1	895.8	969.9	1046.7	1044.6
55°	1143.9	1143.9	1145.9	1075.7	1040.6	992.4	1025.5	1017.5	1085.0	1153.2	1151.1
57.5°	1269.6	1270.3	1276.2	1220.7	1190.8	1151.1	1173.0	1157.8	1200.7	1260.4	1254.3
60°	1395.9	1401.2	1419.8	1395.9	1357.6	1323.8	1354.3	1278.2	1330.4	1385.4	1376.8
62.5°	1526.3	1534.2	1562.0	1557.3	1516.3	1501.8	1527.0	1427.7	1497.2	1509.8	1501.2
65°	1677.1	1679.1	1718.1	1720.1	1658.6	1687.1	1678.5	1568.0	1665.9	1654.6	1653.3
67.5°	1844.5	1858.4	1894.1	1877.6	1795.6	1819.4	1805.5	1700.2	1802.8	1799.6	1793.5
70°	2049.6	2055.5	2084.1	2023.2	1905.3	1937.8	1898.8	1810.1	1951.1	1974.8	1968.9
72°	2085.4	2099.9	2128.4	2094.6	1986.8	2027.1	1943.1	1858.4	1997.3	2015.8	2007.2
72.5°	2076.1	2087.9	2121.1	2092.7	1996.7	2040.4	1948.4	1857.1	1985.4	2004.6	1994.0
75°	1809.5	1808.2	1884.2	1937.2	1971.5	2100.5	1922.6	1753.8	1771.0	1767.8	1751.2
77.5°	1151.8	1187.5	1289.4	1463.4	1719.5	1954.3	1703.6	1405.2	1259.0	1173.6	1137.3
80°	401.6	429.3	539.2	772.1	1199.5	1491.3	1193.5	775.4	516.1	400.9	395.7
82.5°	159.5	182.6	201.1	266.6	561.7	872.7	557.7	288.5	231.6	209.1	202.4
85°	126.3	129.7	142.9	152.2	203.8	281.8	247.5	174.6	162.8	146.2	142.9
87.5°	111.2	113.8	107.2	109.9	142.3	158.1	155.5	112.4	100.6	110.5	106.5
90°	116.4	117.7	107.8	109.1	144.2	162.1	150.2	105.9	104.5	115.8	111.8
92.5°	124.4	126.3	115.8	116.4	148.8	168.1	150.9	105.2	113.8	124.4	120.4
95°	101.9	104.5	97.3	99.9	129.7	150.2	134.3	93.9	101.3	121.1	117.1
97.5°	60.3	62.8	62.2	79.4	85.3	93.9	87.4	64.9	62.2	68.1	64.1
100°	10.5	13.2	27.8	52.3	48.3	41.0	45.0	40.4	26.5	13.9	9.9
102.5°	9.9	10.5	20.5	28.4	20.5	14.5	19.8	23.8	15.2	9.3	9.3
105°	9.9	10.5	11.3	11.9	6.6	5.9	8.6	13.9	9.3	9.3	9.3
107.5°	9.3	9.3	5.9	5.3	5.3	5.9	5.3	5.9	6.6	8.6	9.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	8.0	8.0	5.3	4.6	4.6	5.3	4.6	5.3	5.3	6.6	6.6
112.5°	5.9	5.9	4.0	4.0	4.0	4.6	4.0	4.0	4.6	5.3	5.3
115°	5.9	5.9	4.0	3.3	3.3	4.0	3.3	3.3	4.0	5.3	5.3
117.5°	5.3	5.3	3.3	2.7	2.7	2.7	2.7	2.7	4.0	5.3	5.3
120°	5.3	5.3	3.3	2.7	2.7	1.9	2.7	2.7	3.3	5.3	5.3
122.5°	5.3	5.3	3.3	1.9	1.9	1.9	1.9	2.7	3.3	4.6	5.3
125°	5.3	4.6	3.3	1.9	1.9	1.9	1.9	1.9	3.3	4.6	4.6
127.5°	4.6	4.6	3.3	1.9	1.9	1.3	1.3	1.9	2.7	4.0	4.6
130°	4.6	4.6	3.3	1.9	1.9	1.3	1.3	1.3	2.7	4.0	4.0
132.5°	4.0	4.0	2.7	1.3	1.3	1.3	1.3	1.3	1.9	3.3	3.3
135°	3.3	3.3	2.7	1.3	1.3	1.3	1.3	1.3	1.3	2.7	2.7
137.5°	3.3	3.3	2.7	1.9	1.3	1.3	1.3	1.3	1.3	1.9	1.9
140°	3.3	3.3	2.7	1.9	1.3	1.3	1.3	1.3	1.9	1.9	1.9
142.5°	3.3	3.3	2.7	1.9	1.3	1.3	1.3	1.3	1.9	1.9	1.9
145°	3.3	3.3	2.7	1.9	1.3	1.3	1.3	1.9	1.9	2.7	2.7
147.5°	3.3	3.3	2.7	1.9	1.3	0.6	1.3	1.9	2.7	2.7	2.7
150°	3.3	3.3	2.7	1.3	0.6	0.0	0.6	1.3	1.9	2.7	2.7
152.5°	2.7	2.7	1.9	0.6	0.6	0.0	0.0	0.6	1.9	1.9	1.9
155°	1.3	1.3	0.6	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3
157.5°	0.6	0.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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)