

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: P254254

Luminaire Tested: **LXF.LXT-AF24-90-D-U-5WQ-A-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-18)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-90-D-U-5WQ-A-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8450.1 lumens
Efficiency: N/A
Efficacy: 89.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 94
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

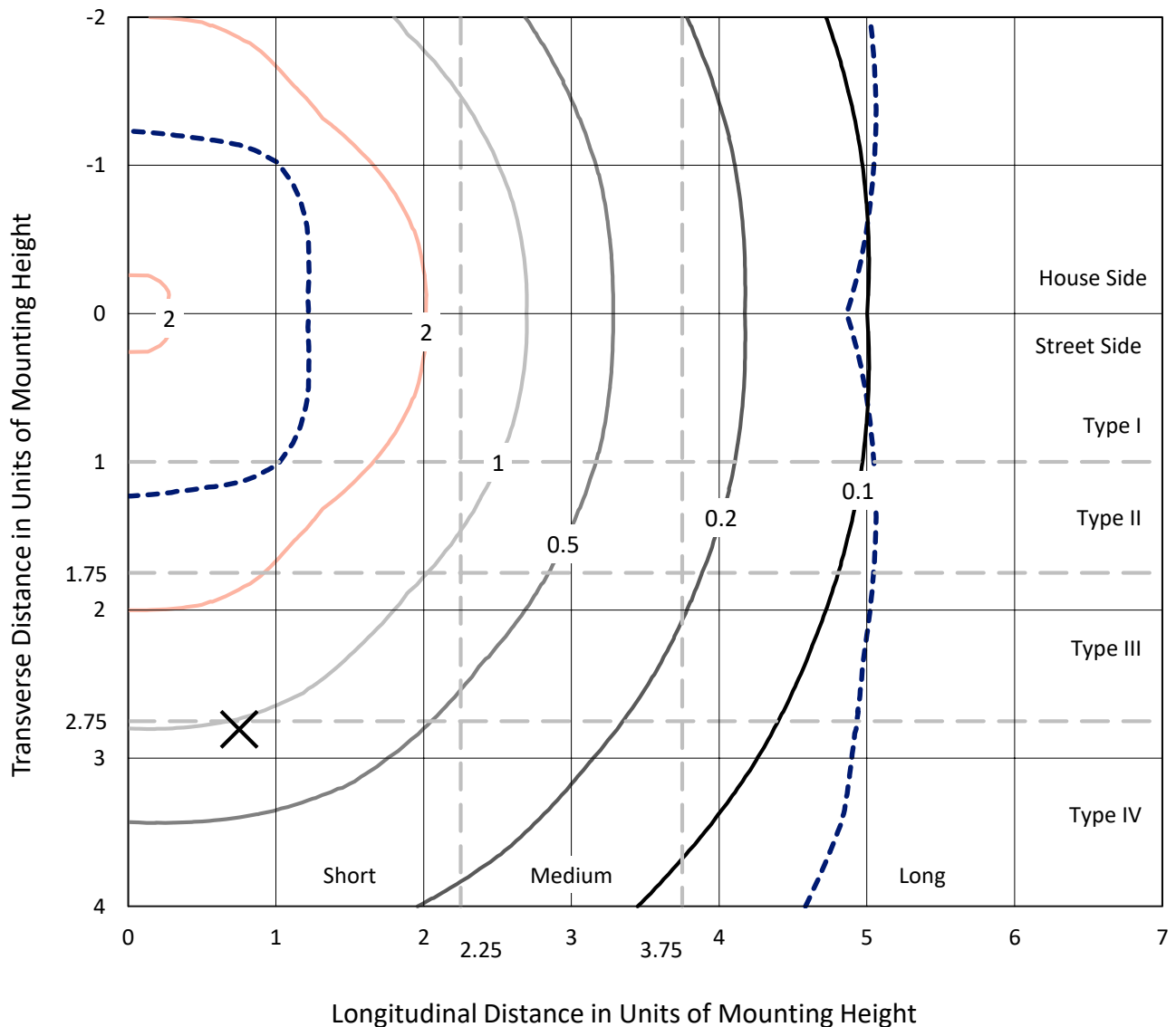


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

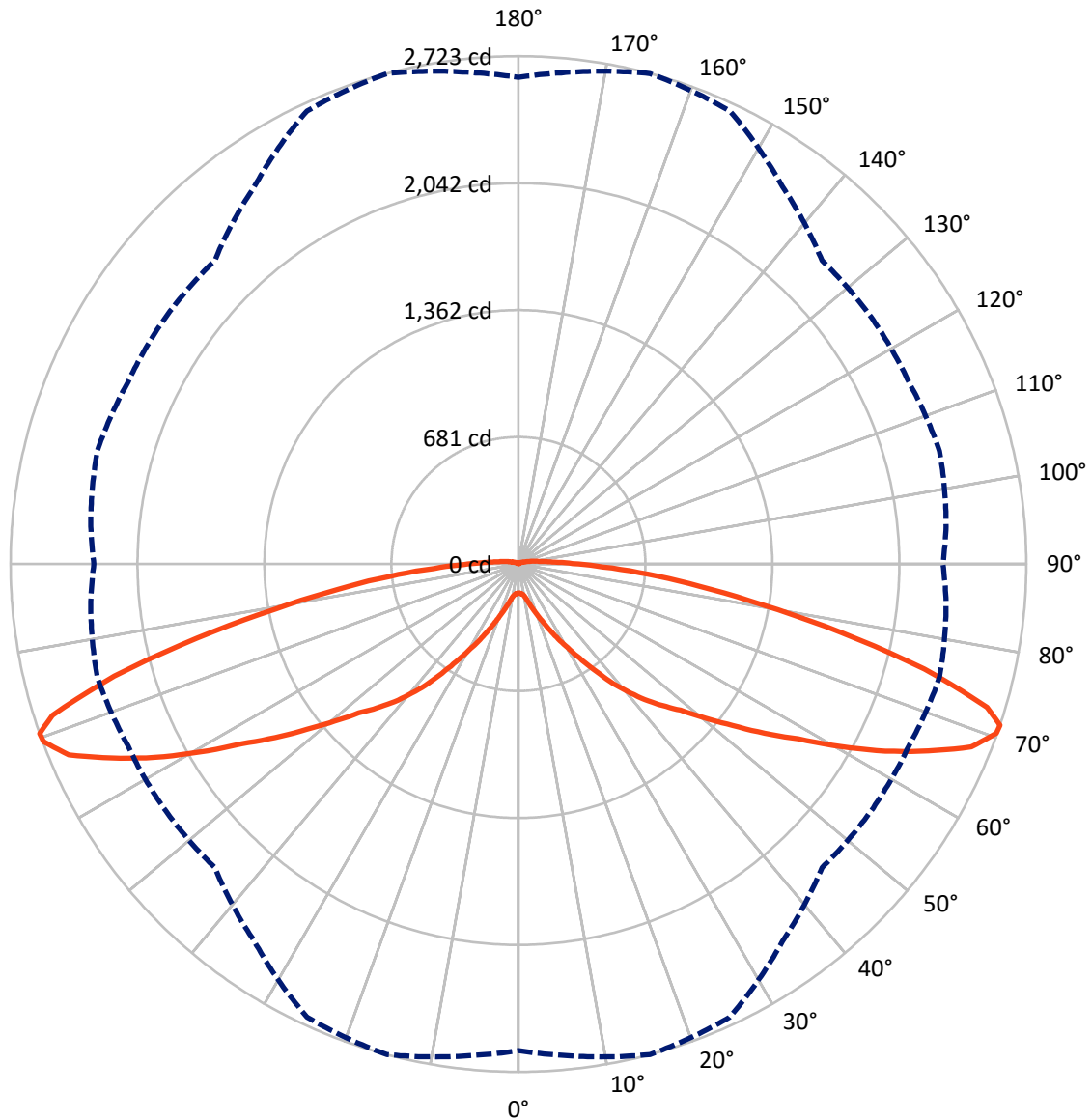


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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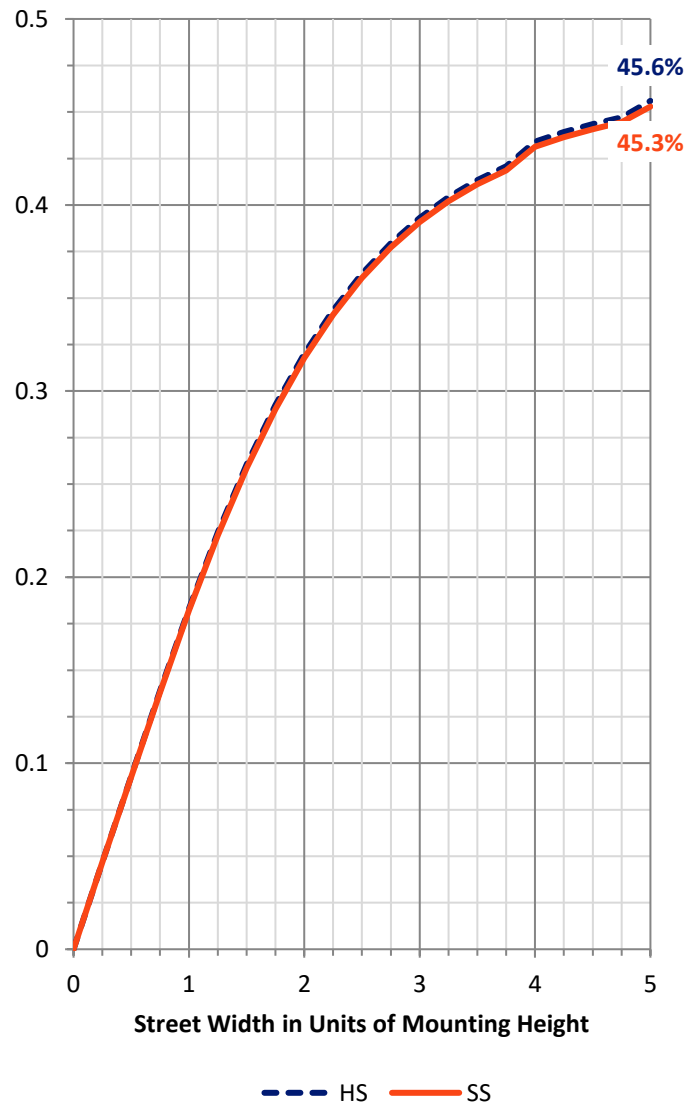
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4048.7	176.3	4225.0
	% Fixture	47.9	2.1	50.0
Street Side	Lumens	4048.7	176.3	4225.0
	% Fixture	47.9	2.1	50.0
Total	Lumens	8097.5	352.6	8450.1
	% Fixture	95.8	4.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.5	0.2
10°-20°	62.6	0.7
20°-30°	177.3	2.1
30°-40°	413.1	4.9
40°-50°	771.2	9.1
50°-60°	1376.1	16.3
60°-70°	2256.0	26.7
70°-80°	2110.2	25.0
80°-90°	915.3	10.8
90°-100°	231.2	2.7
100°-110°	67.4	0.8
110°-120°	27.7	0.3
120°-130°	14.6	0.2
130°-140°	8.1	0.1
140°-150°	3.1	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8097.5	95.8
0°-180°	8450.1	100.0

Coefficient of Utilization



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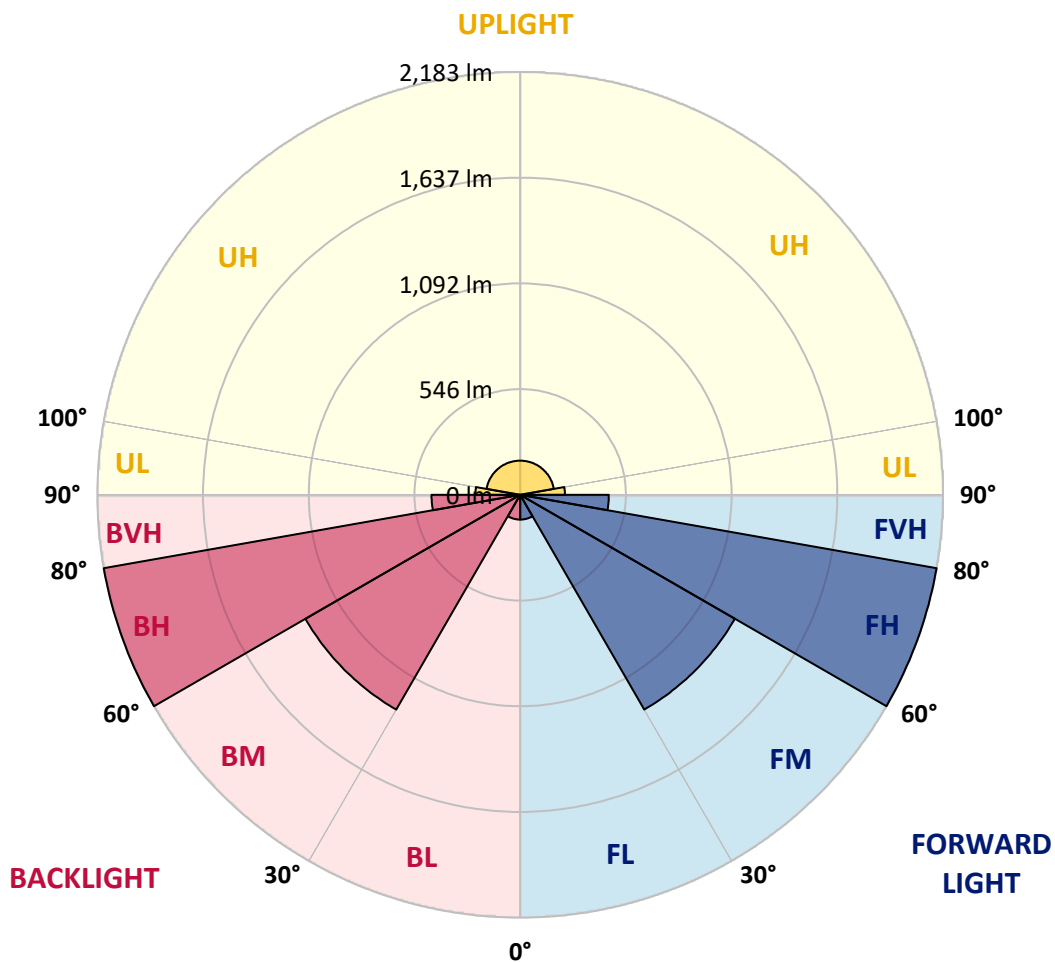
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	127.7	1.5			
FM (30°-60°)	1280.2	15.2			
FH (60°-80°)	2183.1	25.8			G2/5000
FVH (80°-90°)	457.7	5.4			G3/500
BL (0°-30°)	127.7	1.5	B1/500		
BM (30°-60°)	1280.2	15.2	B2/2500		
BH (60°-80°)	2183.1	25.8	B3/2500		G2/5000
BVH (80°-90°)	457.7	5.4			G3/500
UL (90°-100°)	231.2	2.7		U3/500	
UH (100°-180°)	176.3	2.1		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°	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7	155.7
2.5°	156.7	156.7	156.7	157.6	157.6	157.6	156.7	156.7	155.7	155.7	155.7
5°	159.5	159.5	159.5	159.5	159.5	159.5	158.5	158.5	157.6	157.6	157.6
7.5°	164.3	164.3	164.3	164.3	164.3	163.4	162.4	161.3	161.3	161.3	161.3
10°	174.9	174.9	173.8	172.8	171.9	170.0	170.0	169.1	169.1	169.1	170.0
12.5°	196.7	196.7	193.9	189.1	183.3	181.5	180.5	182.5	185.3	186.3	188.2
15°	225.4	225.4	221.6	213.9	205.3	197.6	199.6	205.3	210.1	212.9	214.9
17.5°	260.7	260.7	255.0	244.5	232.0	227.3	226.3	234.1	241.7	247.4	251.2
20°	299.9	299.9	292.3	277.9	265.5	262.7	261.6	267.4	278.9	287.5	291.2
22.5°	347.7	348.6	337.2	318.1	305.6	299.9	299.0	306.6	324.7	337.2	341.9
25°	406.9	406.9	394.4	367.6	350.5	341.0	342.8	357.2	383.0	400.2	403.0
27.5°	472.8	470.9	454.6	426.0	401.1	386.8	391.5	413.5	445.1	470.9	474.7
30°	546.3	544.4	521.5	490.9	455.6	438.3	446.0	477.6	520.5	556.7	561.6
32.5°	631.3	629.5	600.7	561.6	514.8	491.8	506.2	551.1	603.6	650.4	657.0
35°	733.4	731.6	693.4	638.9	581.7	554.0	573.1	627.4	689.5	745.9	754.6
37.5°	840.4	840.4	800.4	730.6	655.2	620.8	641.8	703.8	777.5	832.9	842.4
40°	937.9	937.9	897.8	830.0	738.3	692.4	714.4	778.4	844.2	894.0	903.5
42.5°	1027.7	1030.6	993.2	923.6	825.2	772.7	786.0	842.4	910.2	965.7	975.1
45°	1099.2	1105.0	1082.1	1016.2	917.9	855.7	860.5	924.6	1004.7	1063.0	1074.4
47.5°	1186.2	1187.2	1170.9	1108.9	1016.2	948.4	952.2	1027.7	1115.5	1175.7	1181.4
50°	1309.5	1312.3	1298.0	1227.3	1129.8	1053.5	1072.6	1150.8	1259.8	1323.7	1325.7
52.5°	1446.0	1448.9	1438.4	1373.4	1261.6	1188.0	1217.7	1308.5	1416.4	1469.9	1468.0
55°	1589.2	1596.0	1601.6	1541.5	1423.1	1347.6	1387.7	1482.3	1582.6	1635.1	1629.4
57.5°	1748.8	1753.5	1768.8	1715.4	1609.3	1535.7	1586.5	1681.0	1783.1	1833.8	1825.1
60°	1967.4	1975.1	1987.5	1914.0	1804.2	1745.9	1801.2	1901.5	2005.7	2036.3	2024.8
62.5°	2166.2	2174.7	2209.1	2153.7	2010.5	1949.3	2022.8	2119.3	2206.3	2220.5	2201.5
65°	2360.0	2369.7	2416.4	2368.6	2226.2	2139.4	2216.8	2296.0	2377.3	2387.8	2368.6
67.5°	2536.7	2562.4	2618.8	2553.0	2392.4	2293.2	2337.0	2401.1	2472.7	2460.3	2436.4
70°	2627.4	2660.9	2718.2	2672.4	2473.6	2323.7	2347.7	2366.7	2401.1	2383.9	2362.8
71°	2609.3	2643.6	2723.0	2680.9	2468.9	2301.8	2308.4	2309.4	2338.0	2301.8	2276.0
72.5°	2479.4	2515.7	2627.4	2633.1	2421.1	2238.7	2209.1	2185.1	2170.0	2105.0	2085.0
75°	2075.4	2123.1	2248.2	2319.9	2201.5	2023.8	1972.2	1892.1	1848.1	1773.6	1768.8
77.5°	1615.1	1646.5	1768.8	1877.7	1845.3	1730.6	1672.3	1594.1	1548.2	1490.0	1455.6
80°	1203.4	1213.9	1324.7	1447.9	1485.2	1439.3	1396.4	1325.7	1271.2	1214.9	1185.3
82.5°	855.7	875.8	976.1	1109.8	1197.7	1199.5	1169.1	1089.8	1028.6	969.4	946.5
85°	578.7	598.8	696.3	837.6	951.2	999.9	969.4	865.4	773.7	704.8	690.5
87.5°	363.0	382.1	452.7	578.7	728.8	803.3	767.9	638.9	534.9	471.8	459.4
90°	237.8	249.3	291.2	373.4	502.4	605.6	565.4	445.1	356.3	299.9	294.1
92.5°	164.3	168.0	193.9	241.7	334.4	417.4	387.8	299.9	234.1	193.9	188.2
95°	117.5	121.3	137.5	166.2	223.6	274.1	257.9	203.4	159.5	131.7	128.0
97.5°	86.9	89.8	104.2	123.3	157.6	184.3	172.8	144.2	116.5	95.5	92.7
100°	67.8	68.8	81.2	95.5	117.5	131.7	123.3	107.9	89.8	74.6	72.5
102.5°	53.5	54.4	64.0	75.5	90.6	101.3	94.5	83.1	69.7	59.2	58.2
105°	42.1	42.9	49.7	60.2	72.5	79.3	74.6	64.9	53.5	45.9	45.9
107.5°	33.5	34.4	39.2	47.7	58.2	64.0	60.2	50.6	42.1	36.3	36.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	27.8	27.8	31.4	38.2	47.7	52.6	48.7	40.1	33.5	29.6	28.6
112.5°	23.0	23.0	25.7	31.4	39.2	42.9	40.1	32.4	26.8	23.9	23.9
115°	19.1	20.1	21.0	26.8	33.5	36.3	33.5	27.8	22.0	20.1	20.1
117.5°	17.2	17.2	19.1	23.0	28.6	31.4	28.6	23.9	19.1	18.1	18.1
120°	15.3	15.3	16.3	19.1	24.8	26.8	24.8	20.1	17.2	16.3	16.3
122.5°	14.3	14.3	14.3	17.2	21.0	23.9	22.0	18.1	15.3	14.3	14.3
125°	13.3	13.3	13.3	15.3	19.1	20.1	19.1	16.3	13.3	13.3	13.3
127.5°	13.3	13.3	13.3	14.3	16.3	18.1	17.2	14.3	12.4	12.4	12.4
130°	12.4	12.4	12.4	13.3	14.3	15.3	14.3	13.3	12.4	12.4	12.4
132.5°	11.5	11.5	11.5	11.5	12.4	13.3	12.4	11.5	11.5	11.5	11.5
135°	10.5	10.5	10.5	9.5	10.5	11.5	10.5	9.5	9.5	10.5	10.5
137.5°	9.5	9.5	8.6	8.6	8.6	9.5	8.6	8.6	8.6	8.6	9.5
140°	8.6	8.6	7.6	7.6	7.6	7.6	6.7	6.7	6.7	7.6	7.6
142.5°	7.6	6.7	6.7	5.7	5.7	5.7	5.7	4.8	5.7	6.7	6.7
145°	5.7	5.7	5.7	4.8	4.8	4.8	3.9	3.9	4.8	4.8	4.8
147.5°	4.8	4.8	3.9	3.9	2.8	2.8	2.8	2.8	3.9	3.9	3.9
150°	3.9	3.9	2.8	2.8	1.8	1.8	1.8	1.8	2.8	2.8	2.8
152.5°	2.8	2.8	1.8	1.8	1.8	1.0	1.0	1.0	1.8	1.8	1.8
155°	1.8	1.8	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0
157.5°	1.0	1.0	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)