

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: P254522

Luminaire Tested: **LXF.LXT-AF24-70-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254522
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-AF24-70-D-U-5WQ-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 7203.5 lumens
Efficiency: N/A
Efficacy: 97.3 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): 74
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

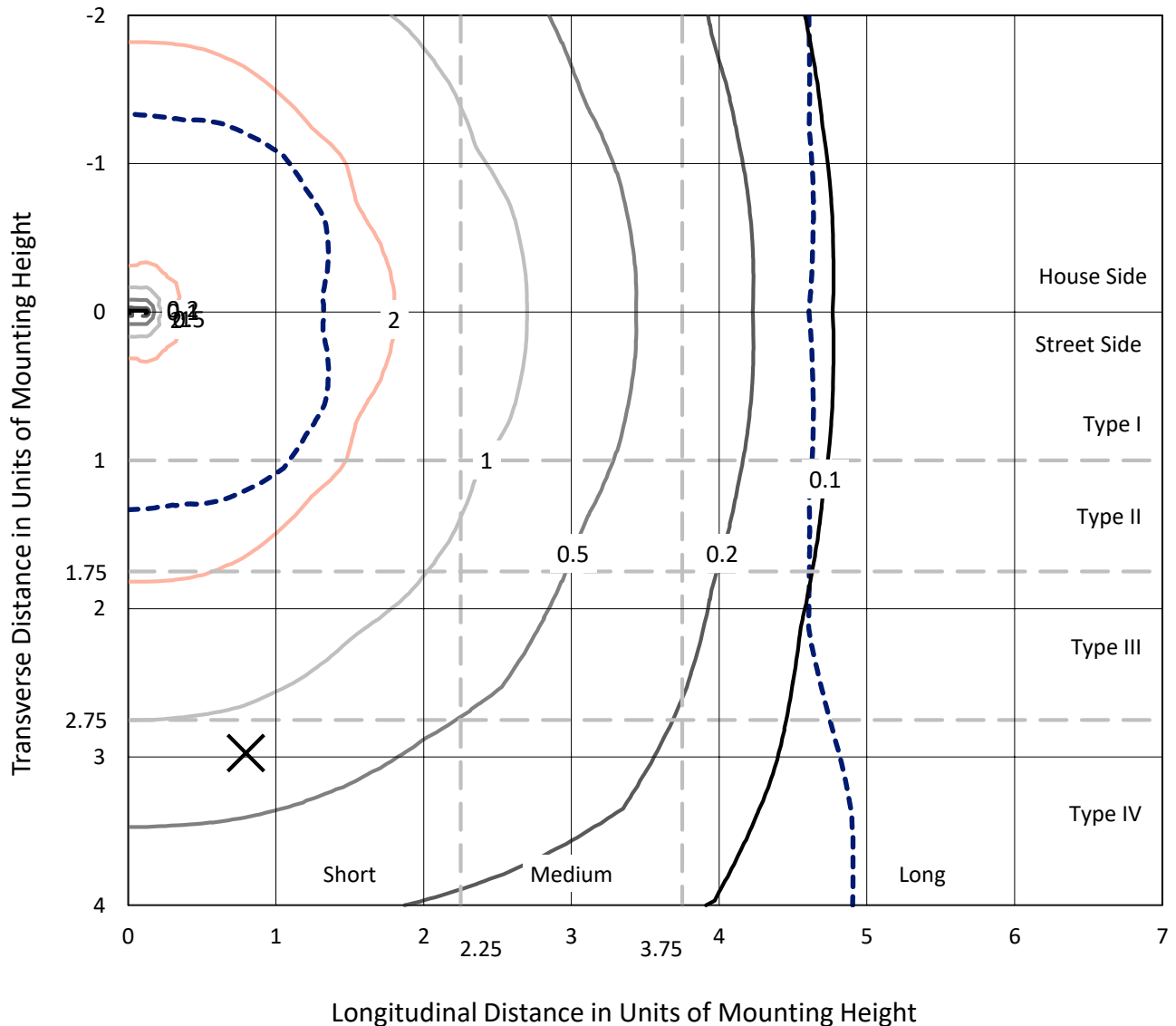


REPORT NUMBER: P254522

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-CL-7030

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

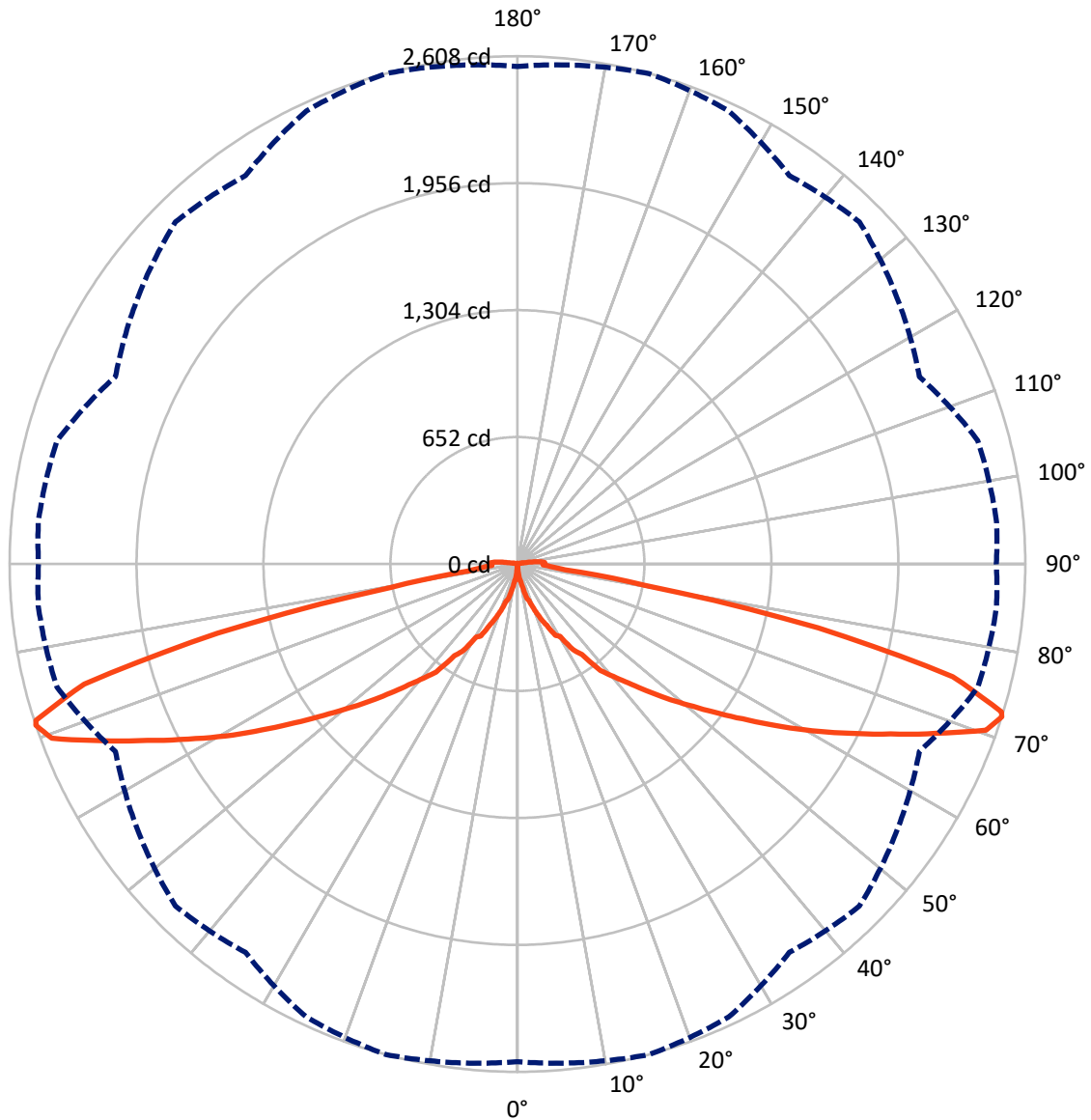


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P254522

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-CL-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P254522

CATALOG NUMBER: LXF.LXT-AF24-70-D-U-5WQ-CL-7030

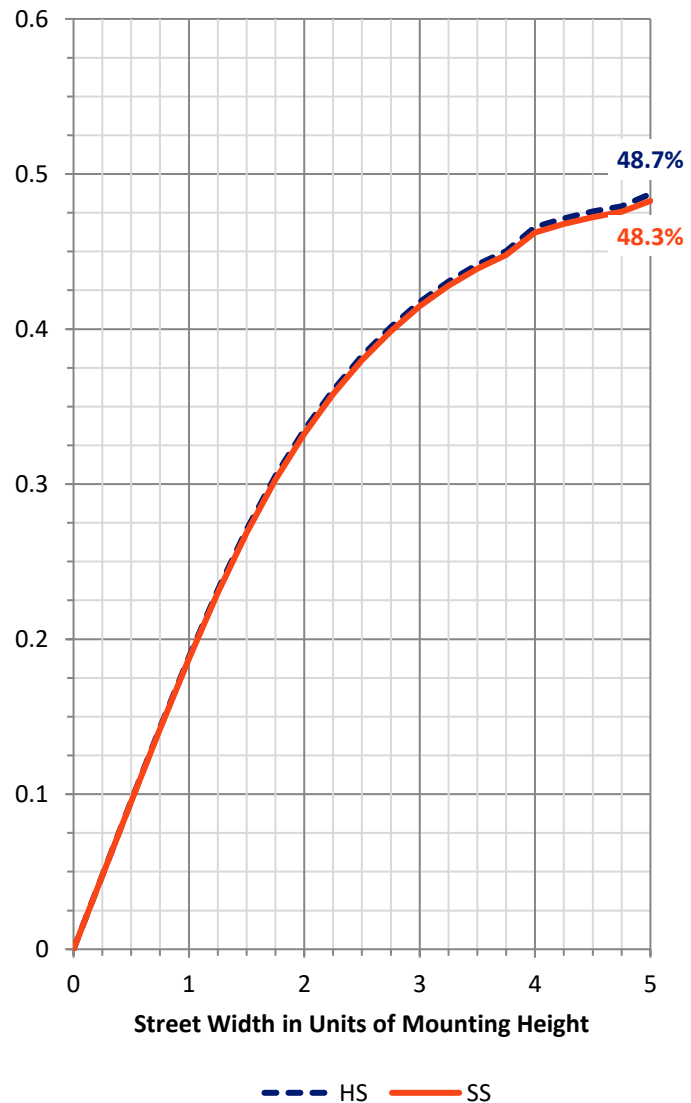
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3520.5	81.2	3601.7
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	3520.5	81.2	3601.7
	% Fixture	48.9	1.1	50.0
Total	Lumens	7041.0	162.5	7203.5
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.2	0.0
10°-20°	43.3	0.6
20°-30°	163.0	2.3
30°-40°	368.6	5.1
40°-50°	669.7	9.3
50°-60°	1200.8	16.7
60°-70°	2029.6	28.2
70°-80°	2180.4	30.3
80°-90°	382.3	5.3
90°-100°	132.9	1.8
100°-110°	17.6	0.2
110°-120°	5.0	0.1
120°-130°	3.1	0.0
130°-140°	1.9	0.0
140°-150°	1.5	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7041.0	97.7
0°-180°	7203.5	100.0



REPORT NUMBER: P254522

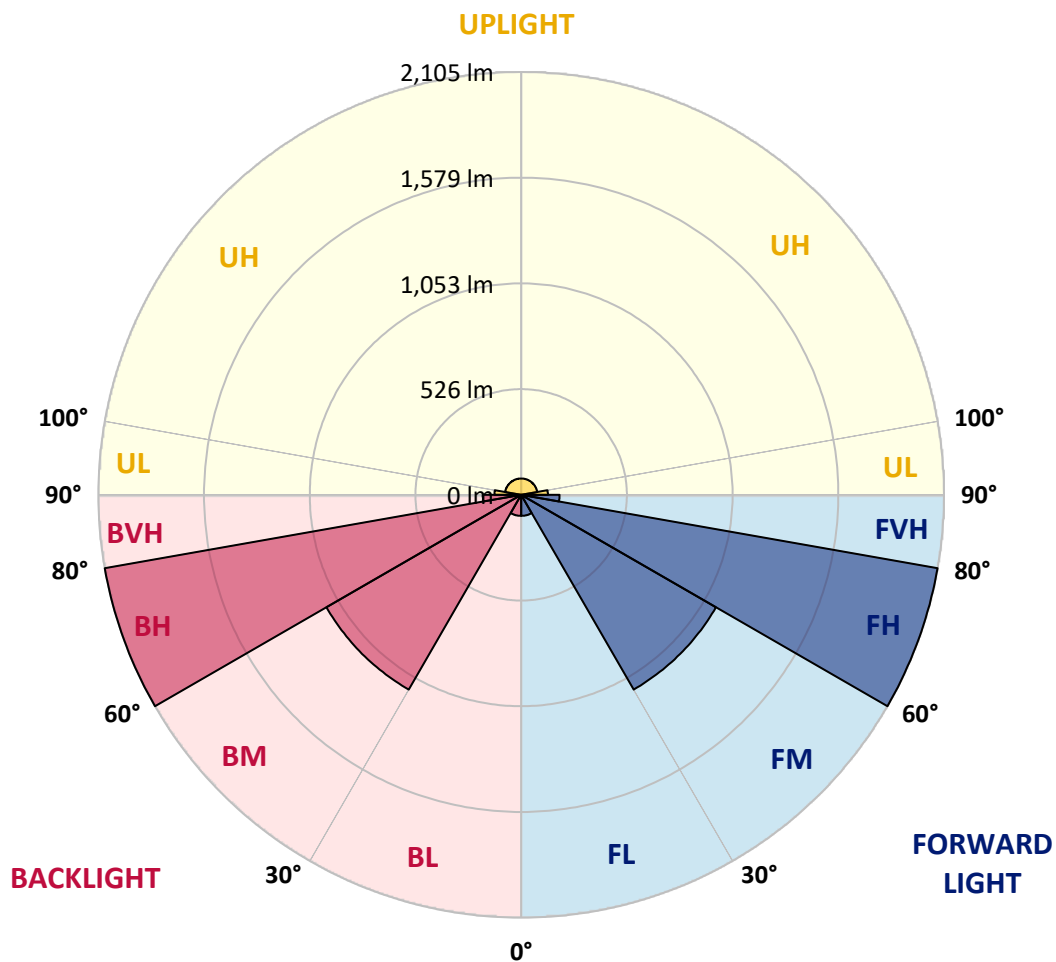
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	104.8	1.5			
FM (30°-60°)	1119.6	15.5			
FH (60°-80°)	2105.0	29.2			G2/5000
FVH (80°-90°)	191.1	2.7			G2/225
BL (0°-30°)	104.8	1.5	B0/110		
BM (30°-60°)	1119.6	15.5	B2/2500		
BH (60°-80°)	2105.0	29.2	B3/2500		G2/5000
BVH (80°-90°)	191.1	2.7			G2/225
UL (90°-100°)	132.9	1.8		U3/500	
UH (100°-180°)	81.2	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°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	6.4	6.4	6.4	5.7	5.7	5.7	5.7	4.9	5.7	5.7	5.7
5°	36.5	38.1	34.1	33.3	15.4	12.1	7.3	5.7	5.7	5.7	5.7
7.5°	81.8	81.8	79.4	71.3	52.7	43.8	24.4	9.0	6.4	5.7	5.7
10°	94.1	92.5	88.4	88.4	85.1	77.8	46.2	21.9	9.8	9.0	9.0
12.5°	142.7	142.7	130.4	119.9	94.8	85.9	72.9	51.9	53.5	85.9	98.2
15°	190.4	190.4	183.2	170.2	135.4	100.5	131.3	153.9	130.4	140.2	141.1
17.5°	211.5	210.8	201.0	189.7	175.1	193.0	182.4	176.7	153.9	154.8	158.1
20°	293.4	290.2	253.7	232.6	204.2	247.3	217.2	203.4	260.1	279.6	286.2
22.5°	313.7	311.3	301.5	282.1	295.0	265.1	267.4	294.2	299.1	308.7	311.3
25°	371.3	370.4	347.7	312.8	339.6	303.0	344.5	314.4	333.9	389.1	410.2
27.5°	423.9	422.3	414.2	374.4	358.3	393.2	367.1	408.5	451.5	463.6	473.3
30°	474.9	472.5	431.2	436.8	399.6	416.6	447.4	454.7	470.9	502.5	504.1
32.5°	556.7	551.1	523.6	486.3	475.9	445.8	480.6	482.3	594.9	653.3	667.0
35°	638.7	633.0	571.4	554.4	517.9	529.3	514.7	588.5	634.6	689.8	699.5
37.5°	745.7	740.0	693.8	613.6	577.9	561.7	599.0	629.0	668.6	742.4	741.7
40°	804.0	801.6	759.5	696.2	636.2	617.7	637.1	663.9	725.4	791.9	799.1
42.5°	873.7	868.1	834.8	761.1	710.8	682.5	678.4	731.1	796.7	867.3	868.8
45°	957.9	949.9	926.4	829.2	779.7	757.0	756.2	811.4	887.5	957.9	966.2
47.5°	1052.8	1045.6	1030.2	916.6	868.8	839.6	858.3	893.2	971.0	1055.3	1064.1
50°	1155.0	1150.9	1137.9	1029.3	989.7	942.6	963.6	985.6	1078.8	1159.9	1162.3
52.5°	1264.3	1266.9	1261.2	1155.8	1112.0	1078.0	1101.5	1097.4	1188.2	1282.2	1279.8
55°	1401.4	1401.4	1403.8	1317.8	1274.9	1215.7	1256.3	1246.5	1329.2	1412.7	1410.3
57.5°	1555.5	1556.2	1563.5	1495.4	1458.9	1410.3	1437.1	1418.4	1471.0	1544.1	1536.7
60°	1710.2	1716.7	1739.4	1710.2	1663.2	1621.9	1659.1	1565.9	1629.9	1697.3	1686.6
62.5°	1869.9	1879.6	1913.6	1908.0	1857.7	1839.8	1870.6	1749.1	1834.3	1849.5	1839.1
65°	2054.6	2057.2	2104.9	2107.3	2032.0	2066.8	2056.3	1920.9	2040.9	2027.1	2025.4
67.5°	2259.7	2276.8	2320.4	2300.2	2199.7	2228.9	2211.9	2083.0	2208.6	2204.7	2197.3
70°	2511.0	2518.3	2553.2	2478.5	2334.4	2373.9	2326.1	2217.5	2390.1	2419.4	2412.1
72°	2554.7	2572.6	2607.5	2566.1	2434.0	2483.5	2380.4	2276.8	2447.0	2469.6	2459.1
72.5°	2543.4	2558.0	2598.5	2563.7	2446.1	2499.7	2387.0	2275.1	2432.3	2455.8	2442.9
75°	2216.8	2215.1	2308.3	2373.2	2415.2	2573.4	2355.3	2148.7	2169.8	2165.7	2145.5
77.5°	1411.1	1454.9	1579.7	1792.8	2106.5	2394.3	2087.1	1721.5	1542.4	1437.9	1393.3
80°	492.0	526.0	660.6	945.8	1469.4	1827.0	1462.2	949.9	632.2	491.1	484.7
82.5°	195.3	223.7	246.4	326.6	688.2	1069.1	683.3	353.4	283.6	256.1	248.0
85°	154.8	158.9	175.1	186.4	249.6	345.3	303.0	213.9	199.4	179.0	175.1
87.5°	136.1	139.5	131.3	134.5	174.3	193.7	190.4	137.7	123.3	135.4	130.4
90°	142.7	144.2	132.1	133.8	176.7	198.6	184.0	129.7	128.1	141.8	137.0
92.5°	152.4	154.8	141.8	142.7	182.4	205.9	184.7	128.9	139.5	152.4	147.5
95°	124.8	128.1	119.1	122.4	158.9	184.0	164.6	115.0	124.0	148.4	143.4
97.5°	73.8	77.0	76.2	97.2	104.6	115.0	107.0	79.4	76.2	83.5	78.6
100°	13.0	16.2	34.1	64.0	59.2	50.3	55.0	49.5	32.4	17.1	12.1
102.5°	12.1	13.0	25.1	34.9	25.1	17.8	24.4	29.2	18.7	11.4	11.4
105°	12.1	13.0	13.7	14.6	8.0	7.3	10.5	17.1	11.4	11.4	11.4
107.5°	11.4	11.4	7.3	6.4	6.4	7.3	6.4	7.3	8.0	10.5	11.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	9.8	9.8	6.4	5.7	5.7	6.4	5.7	6.4	6.4	8.0	8.0
112.5°	7.3	7.3	4.9	4.9	4.9	5.7	4.9	4.9	5.7	6.4	6.4
115°	7.3	7.3	4.9	4.1	4.1	4.9	4.1	4.1	4.9	6.4	6.4
117.5°	6.4	6.4	4.1	3.3	3.3	3.3	3.3	3.3	4.9	6.4	6.4
120°	6.4	6.4	4.1	3.3	3.3	2.4	3.3	3.3	4.1	6.4	6.4
122.5°	6.4	6.4	4.1	2.4	2.4	2.4	2.4	3.3	4.1	5.7	6.4
125°	6.4	5.7	4.1	2.4	2.4	2.4	2.4	2.4	4.1	5.7	5.7
127.5°	5.7	5.7	4.1	2.4	2.4	1.6	1.6	2.4	3.3	4.9	5.7
130°	5.7	5.7	4.1	2.4	2.4	1.6	1.6	1.6	3.3	4.9	4.9
132.5°	4.9	4.9	3.3	1.6	1.6	1.6	1.6	1.6	2.4	4.1	4.1
135°	4.1	4.1	3.3	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3
137.5°	4.1	4.1	3.3	2.4	1.6	1.6	1.6	1.6	1.6	2.4	2.4
140°	4.1	4.1	3.3	2.4	1.6	1.6	1.6	1.6	2.4	2.4	2.4
142.5°	4.1	4.1	3.3	2.4	1.6	1.6	1.6	1.6	2.4	2.4	2.4
145°	4.1	4.1	3.3	2.4	1.6	1.6	1.6	2.4	2.4	3.3	3.3
147.5°	4.1	4.1	3.3	2.4	1.6	0.8	1.6	2.4	3.3	3.3	3.3
150°	4.1	4.1	3.3	1.6	0.8	0.0	0.8	1.6	2.4	3.3	3.3
152.5°	3.3	3.3	2.4	0.8	0.8	0.0	0.0	0.8	2.4	2.4	2.4
155°	1.6	1.6	0.8	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)