

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: P254518

Luminaire Tested: **LXF.LXT-AF24-30-D-U-5WQ-CL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254518
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-AF24-30-D-U-5WQ-CL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 375mA 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: 3329.1 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B2 - U3 - G1

Input Watts (W): 31
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

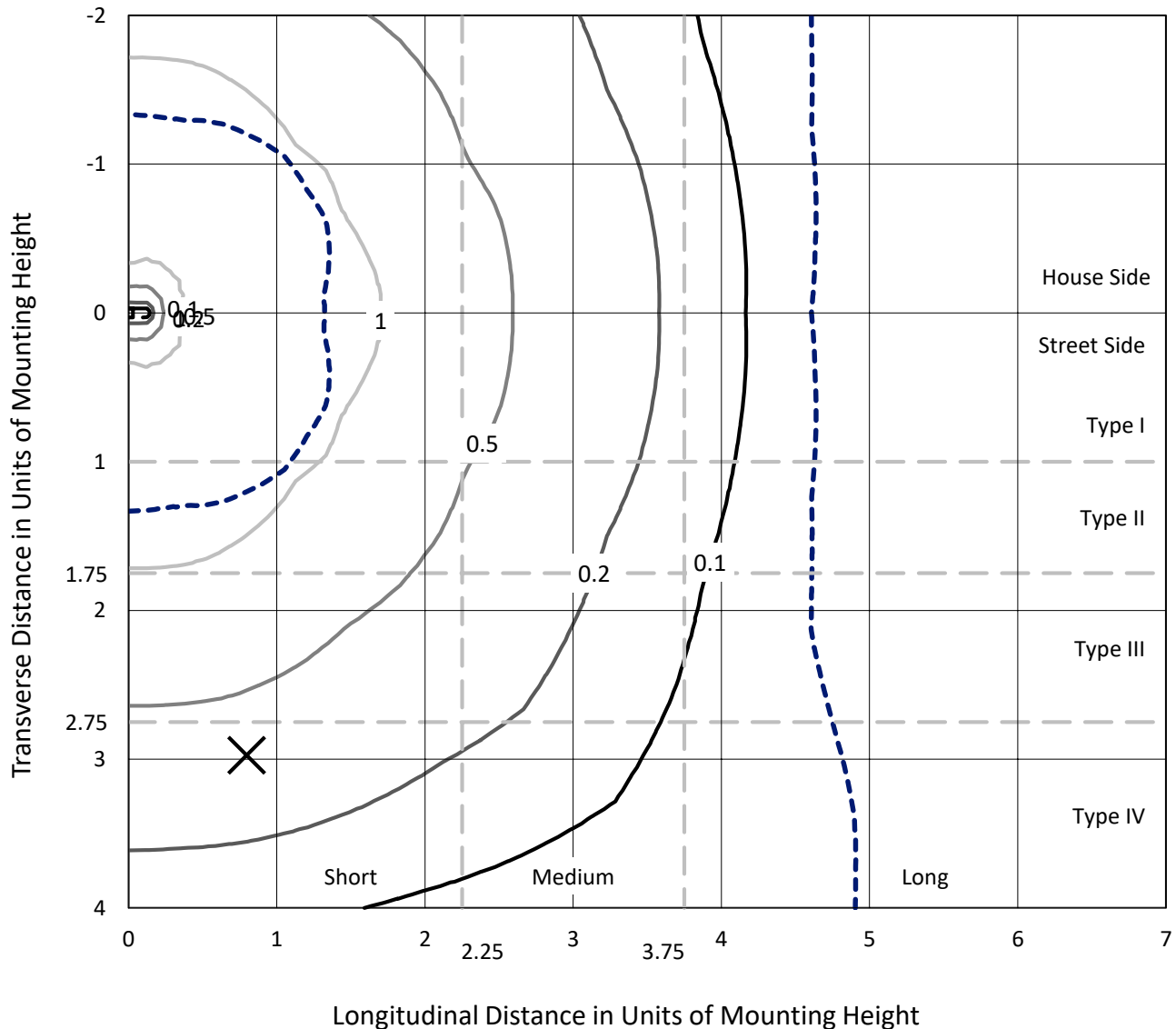


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

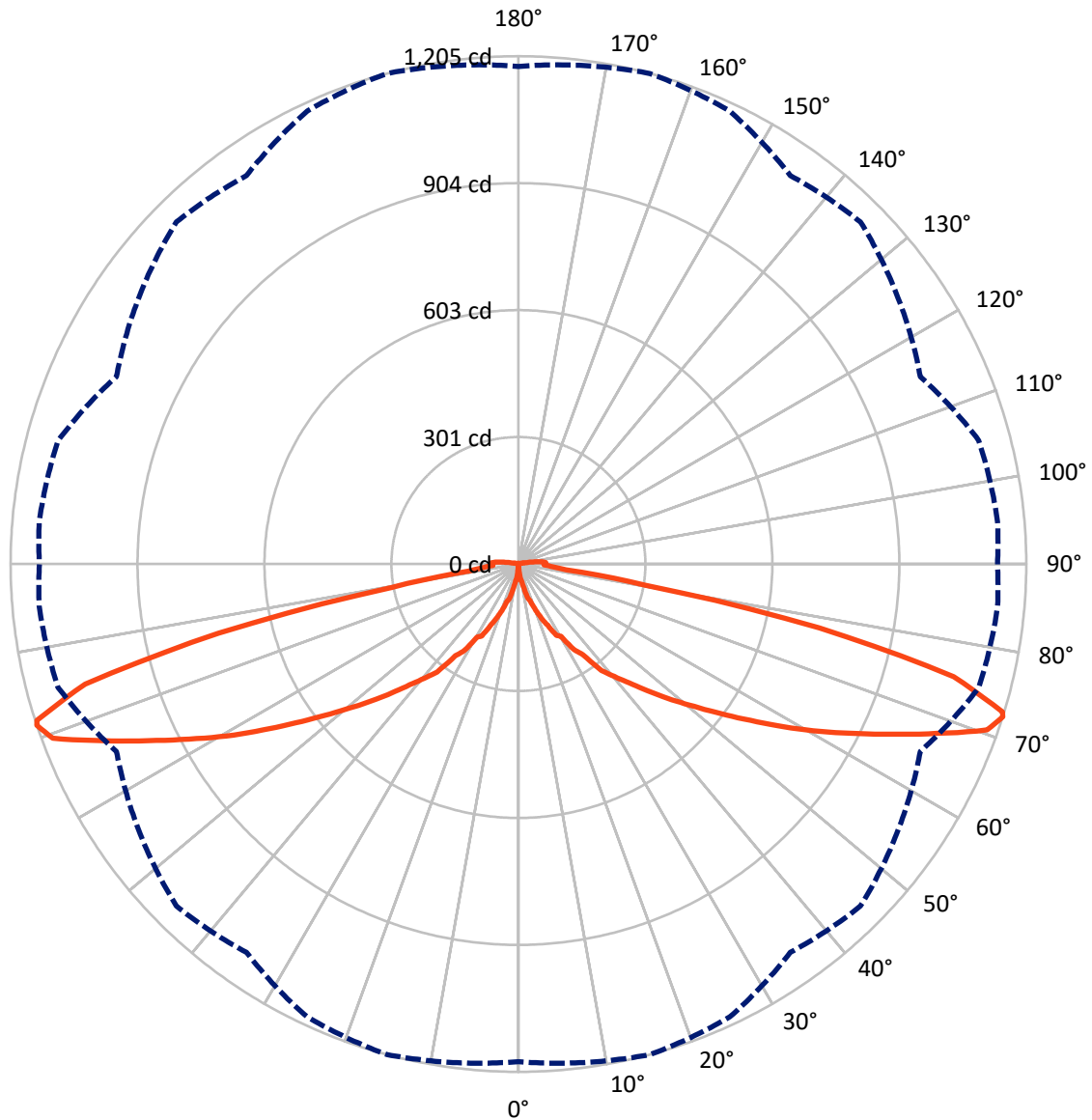


Based on 10 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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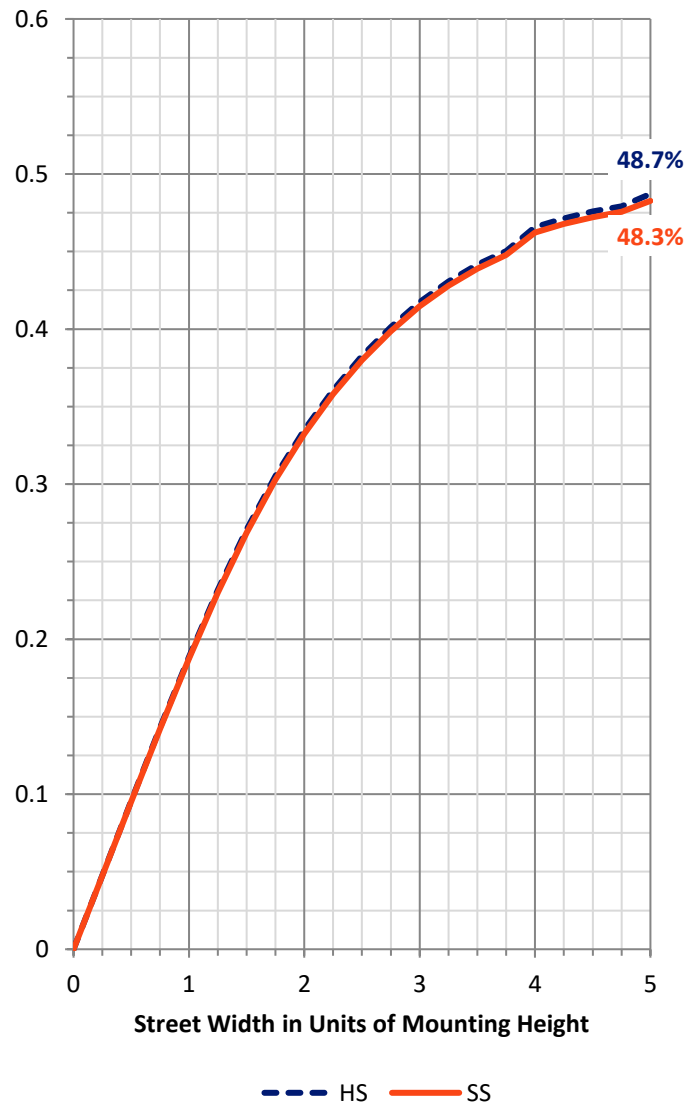
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1627.0	37.5	1664.5
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	1627.0	37.5	1664.5
	% Fixture	48.9	1.1	50.0
Total	Lumens	3254.0	75.0	3329.1
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.5	0.0
10°-20°	20.0	0.6
20°-30°	75.3	2.3
30°-40°	170.3	5.1
40°-50°	309.5	9.3
50°-60°	555.0	16.7
60°-70°	938.0	28.2
70°-80°	1007.7	30.3
80°-90°	176.7	5.3
90°-100°	61.4	1.8
100°-110°	8.1	0.2
110°-120°	2.3	0.1
120°-130°	1.4	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3254.0	97.7
0°-180°	3329.1	100.0



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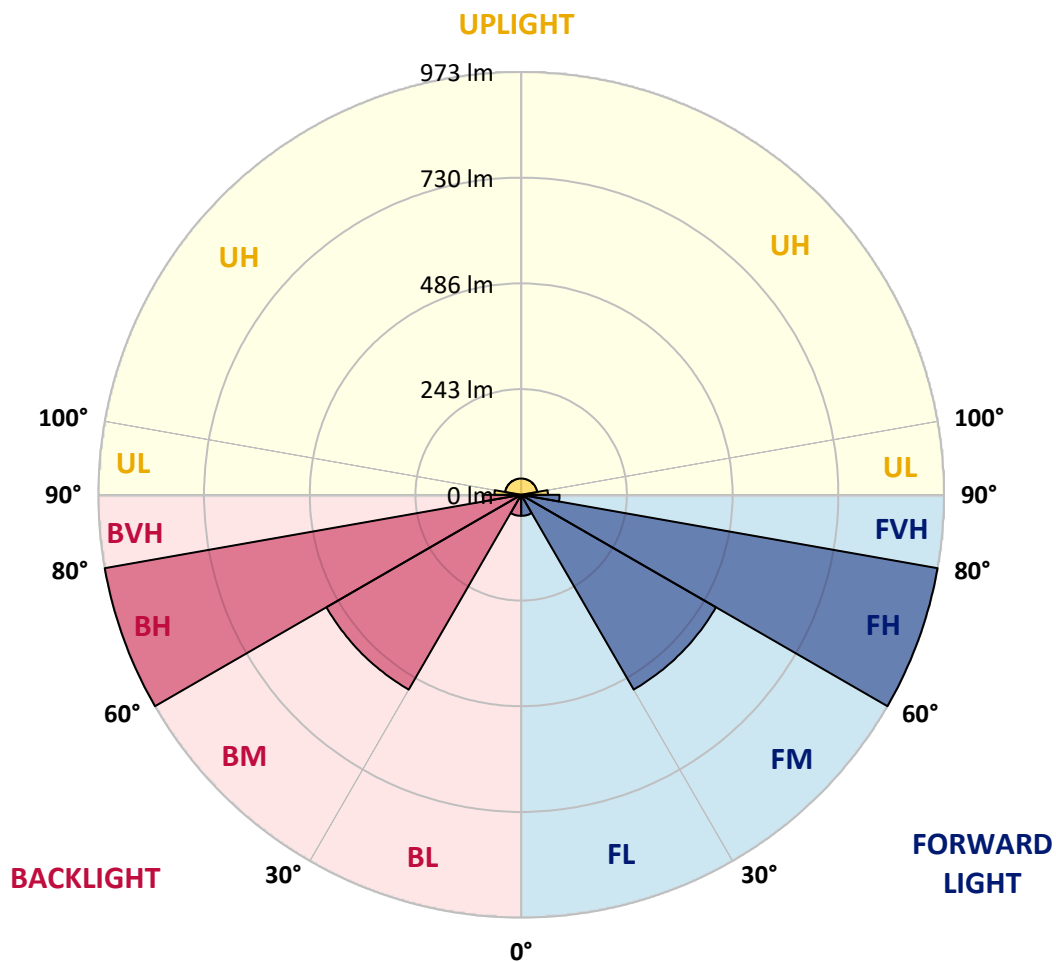
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	48.4	1.5			
FM (30°-60°)	517.4	15.5			
FH (60°-80°)	972.8	29.2			G1/1800
FVH (80°-90°)	88.3	2.7			G1/100
BL (0°-30°)	48.4	1.5	B0/110		
BM (30°-60°)	517.4	15.5	B1/1000		
BH (60°-80°)	972.8	29.2	B2/1000		G1/1800
BVH (80°-90°)	88.3	2.7			G1/100
UL (90°-100°)	61.4	1.8		U3/500	
UH (100°-180°)	37.5	1.1		U2/50	

BUG Rating: B2-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	2.9	2.9	2.9	2.6	2.6	2.6	2.6	2.3	2.6	2.6	2.6
5°	16.8	17.6	15.8	15.4	7.1	5.6	3.4	2.6	2.6	2.6	2.6
7.5°	37.8	37.8	36.7	33.0	24.4	20.2	11.3	4.2	2.9	2.6	2.6
10°	43.4	42.7	40.9	40.9	39.4	35.9	21.3	10.2	4.5	4.2	4.2
12.5°	65.9	65.9	60.3	55.4	43.8	39.7	33.8	23.9	24.7	39.7	45.4
15°	88.1	88.1	84.6	78.6	62.6	46.4	60.6	71.1	60.3	64.8	65.2
17.5°	97.8	97.4	92.9	87.6	81.0	89.1	84.2	81.6	71.1	71.6	73.1
20°	135.6	134.1	117.2	107.5	94.4	114.2	100.4	94.1	120.3	129.3	132.2
22.5°	145.0	143.9	139.3	130.3	136.3	122.5	123.6	136.0	138.2	142.7	143.9
25°	171.5	171.2	160.7	144.5	156.9	140.1	159.2	145.4	154.4	179.8	189.6
27.5°	195.9	195.1	191.4	173.0	165.5	181.7	169.7	188.8	208.6	214.2	218.7
30°	219.5	218.4	199.3	201.9	184.6	192.6	206.7	210.1	217.7	232.2	232.9
32.5°	257.3	254.7	242.0	224.7	219.8	206.1	222.2	222.9	274.9	301.9	308.3
35°	295.2	292.6	264.1	256.2	239.4	244.6	237.8	271.9	293.3	318.8	323.3
37.5°	344.6	342.0	320.6	283.5	267.0	259.6	276.9	290.6	308.9	343.1	342.7
40°	371.6	370.5	350.9	321.8	294.0	285.3	294.5	306.8	335.2	366.0	369.3
42.5°	403.8	401.2	385.8	351.7	328.6	315.4	313.6	337.8	368.2	400.8	401.5
45°	442.7	439.0	428.2	383.2	360.3	349.8	349.5	375.0	410.2	442.7	446.6
47.5°	486.5	483.3	476.1	423.7	401.5	388.1	396.7	412.8	448.7	487.8	491.7
50°	533.7	531.9	525.9	475.8	457.4	435.6	445.3	455.5	498.6	536.0	537.1
52.5°	584.3	585.5	582.9	534.2	513.9	498.2	509.0	507.2	549.1	592.6	591.4
55°	647.7	647.7	648.8	609.1	589.2	561.9	580.6	576.2	614.4	653.0	651.7
57.5°	718.8	719.3	722.5	691.1	674.2	651.7	664.2	655.5	679.9	713.6	710.1
60°	790.4	793.3	803.8	790.4	768.6	749.5	766.8	723.8	753.4	784.4	779.6
62.5°	864.1	868.6	884.4	881.7	858.6	850.2	864.6	808.3	847.7	854.9	849.9
65°	949.6	950.7	972.9	973.9	939.1	955.2	950.3	887.7	943.2	936.8	936.2
67.5°	1044.3	1052.1	1072.5	1063.1	1016.6	1030.1	1022.2	962.7	1020.7	1018.9	1015.4
70°	1160.5	1163.8	1179.9	1145.5	1078.8	1097.2	1075.1	1024.9	1104.6	1118.2	1114.8
72°	1180.6	1189.0	1205.0	1185.9	1124.9	1147.8	1100.1	1052.1	1130.9	1141.3	1136.6
72.5°	1175.4	1182.1	1200.9	1184.8	1130.5	1155.2	1103.2	1051.5	1124.2	1134.9	1128.9
75°	1024.6	1023.8	1066.8	1096.8	1116.3	1189.3	1088.5	993.0	1002.8	1001.0	991.5
77.5°	652.2	672.4	730.1	828.6	973.5	1106.5	964.5	795.6	712.8	664.6	643.9
80°	227.4	243.1	305.3	437.1	679.1	844.3	675.8	439.0	292.2	227.0	224.0
82.5°	90.2	103.4	113.8	151.0	318.1	494.1	315.8	163.4	131.1	118.3	114.6
85°	71.6	73.4	81.0	86.2	115.4	159.5	140.1	98.9	92.1	82.8	81.0
87.5°	63.0	64.5	60.6	62.2	80.6	89.5	88.1	63.7	57.0	62.6	60.3
90°	65.9	66.6	61.0	61.8	81.6	91.8	85.0	60.0	59.2	65.5	63.3
92.5°	70.5	71.6	65.5	65.9	84.2	95.2	85.4	59.5	64.5	70.5	68.2
95°	57.7	59.2	55.0	56.6	73.4	85.0	76.1	53.2	57.4	68.5	66.3
97.5°	34.1	35.6	35.2	44.9	48.3	53.2	49.5	36.7	35.2	38.6	36.4
100°	6.0	7.5	15.8	29.6	27.4	23.3	25.4	22.8	15.0	7.8	5.6
102.5°	5.6	6.0	11.6	16.1	11.6	8.2	11.3	13.4	8.6	5.3	5.3
105°	5.6	6.0	6.3	6.8	3.8	3.4	4.9	7.8	5.3	5.3	5.3
107.5°	5.3	5.3	3.4	2.9	2.9	3.4	2.9	3.4	3.8	4.9	5.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	4.5	4.5	2.9	2.6	2.6	2.9	2.6	2.9	2.9	3.8	3.8
112.5°	3.4	3.4	2.3	2.3	2.3	2.6	2.3	2.3	2.6	2.9	2.9
115°	3.4	3.4	2.3	1.8	1.8	2.3	1.8	1.8	2.3	2.9	2.9
117.5°	2.9	2.9	1.8	1.5	1.5	1.5	1.5	1.5	2.3	2.9	2.9
120°	2.9	2.9	1.8	1.5	1.5	1.1	1.5	1.5	1.8	2.9	2.9
122.5°	2.9	2.9	1.8	1.1	1.1	1.1	1.1	1.5	1.8	2.6	2.9
125°	2.9	2.6	1.8	1.1	1.1	1.1	1.1	1.1	1.8	2.6	2.6
127.5°	2.6	2.6	1.8	1.1	1.1	0.8	0.8	1.1	1.5	2.3	2.6
130°	2.6	2.6	1.8	1.1	1.1	0.8	0.8	0.8	1.5	2.3	2.3
132.5°	2.3	2.3	1.5	0.8	0.8	0.8	0.8	0.8	1.1	1.8	1.8
135°	1.8	1.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
137.5°	1.8	1.8	1.5	1.1	0.8	0.8	0.8	0.8	0.8	1.1	1.1
140°	1.8	1.8	1.5	1.1	0.8	0.8	0.8	0.8	1.1	1.1	1.1
142.5°	1.8	1.8	1.5	1.1	0.8	0.8	0.8	0.8	1.1	1.1	1.1
145°	1.8	1.8	1.5	1.1	0.8	0.8	0.8	1.1	1.1	1.5	1.5
147.5°	1.8	1.8	1.5	1.1	0.8	0.3	0.8	1.1	1.5	1.5	1.5
150°	1.8	1.8	1.5	0.8	0.3	0.0	0.3	0.8	1.1	1.5	1.5
152.5°	1.5	1.5	1.1	0.3	0.3	0.0	0.0	0.3	1.1	1.1	1.1
155°	0.8	0.8	0.3	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)