

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: P254527

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254527
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
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 3521 lumens
Efficiency: N/A
Efficacy: 113.6 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 - G1

Input Watts (W): 31
Input Voltage (V): NR
Input Current (A_{in}): 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

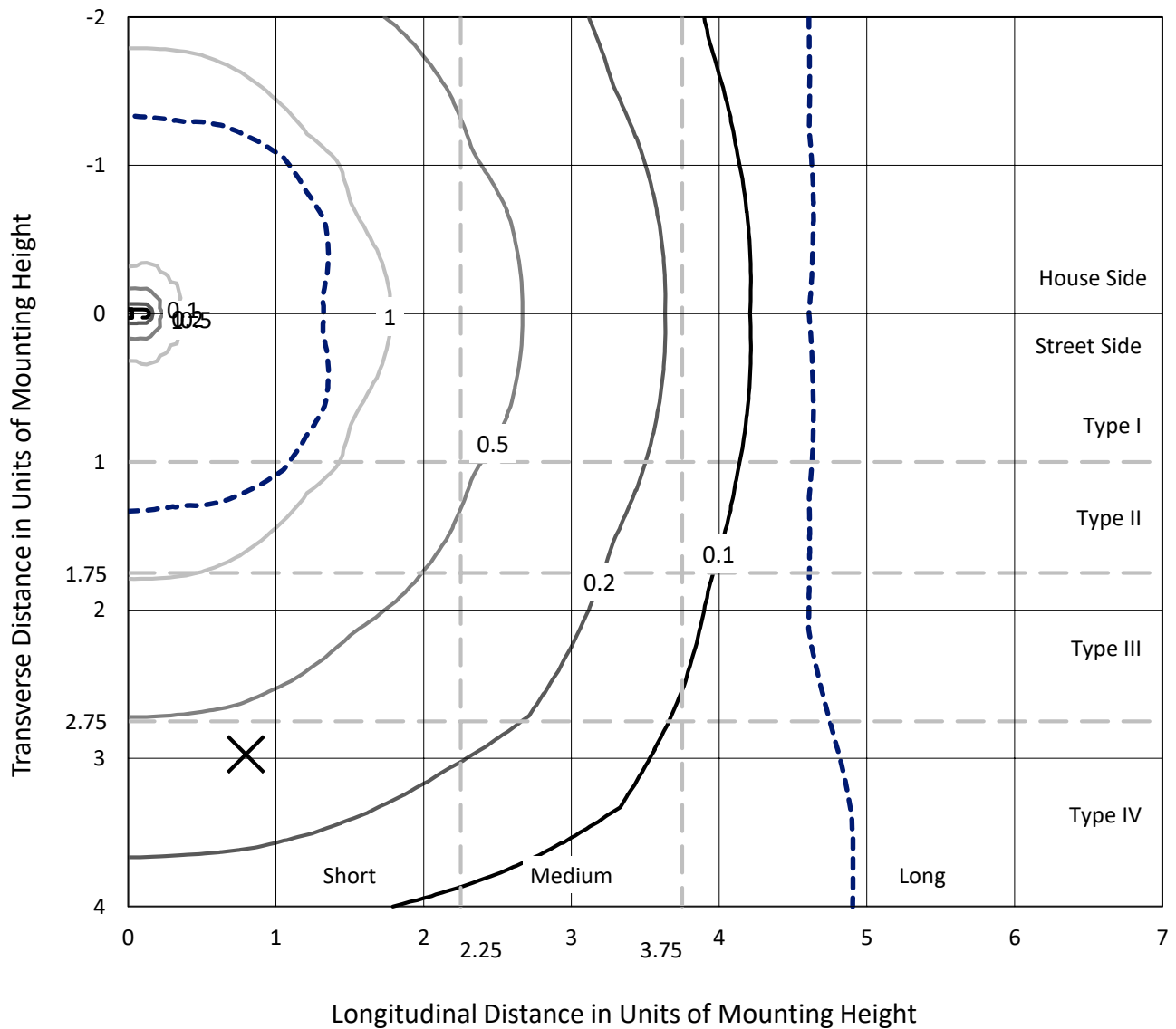


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

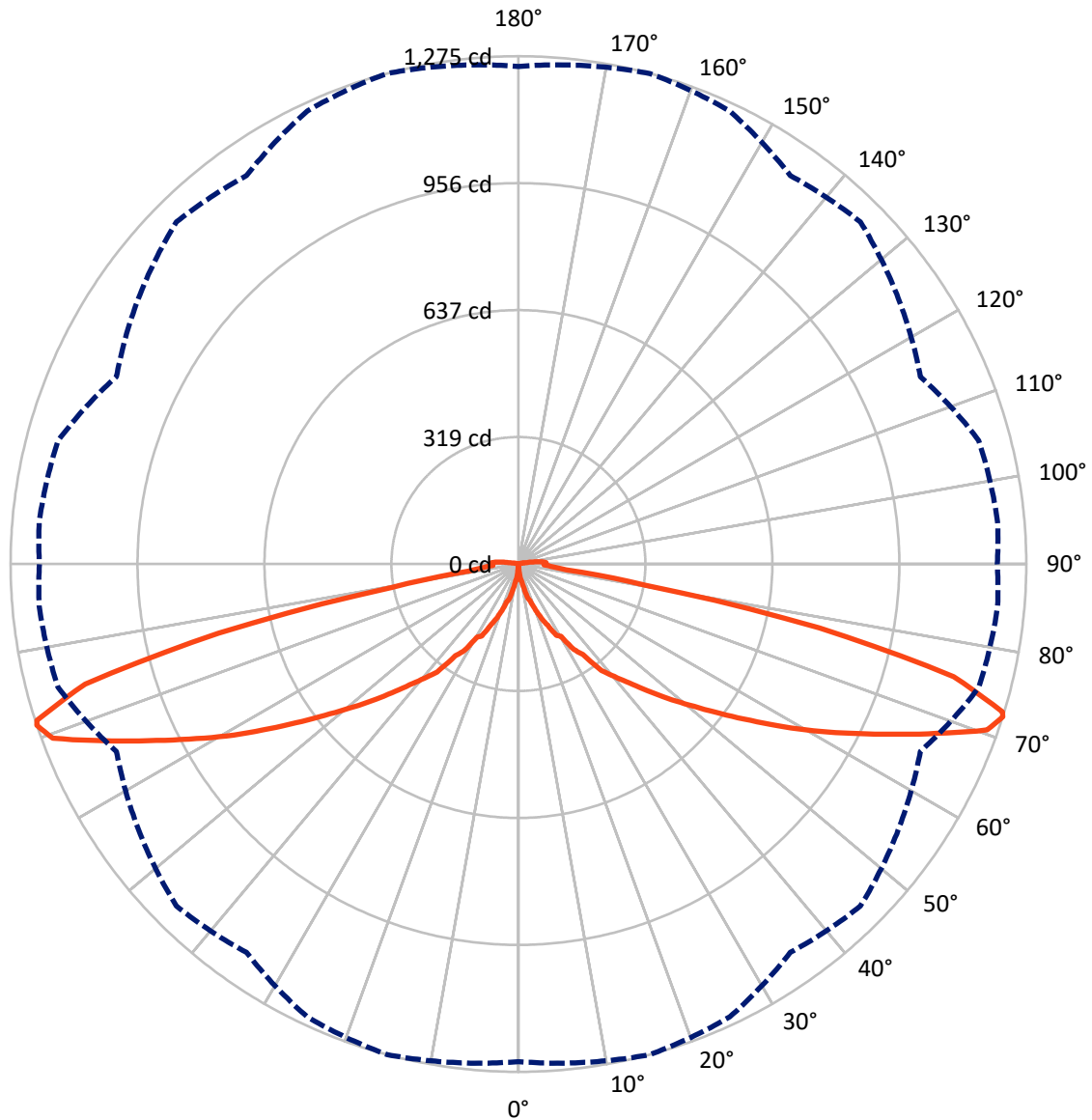


Based on 10 foot mounting height. Maximum calculated value = 1.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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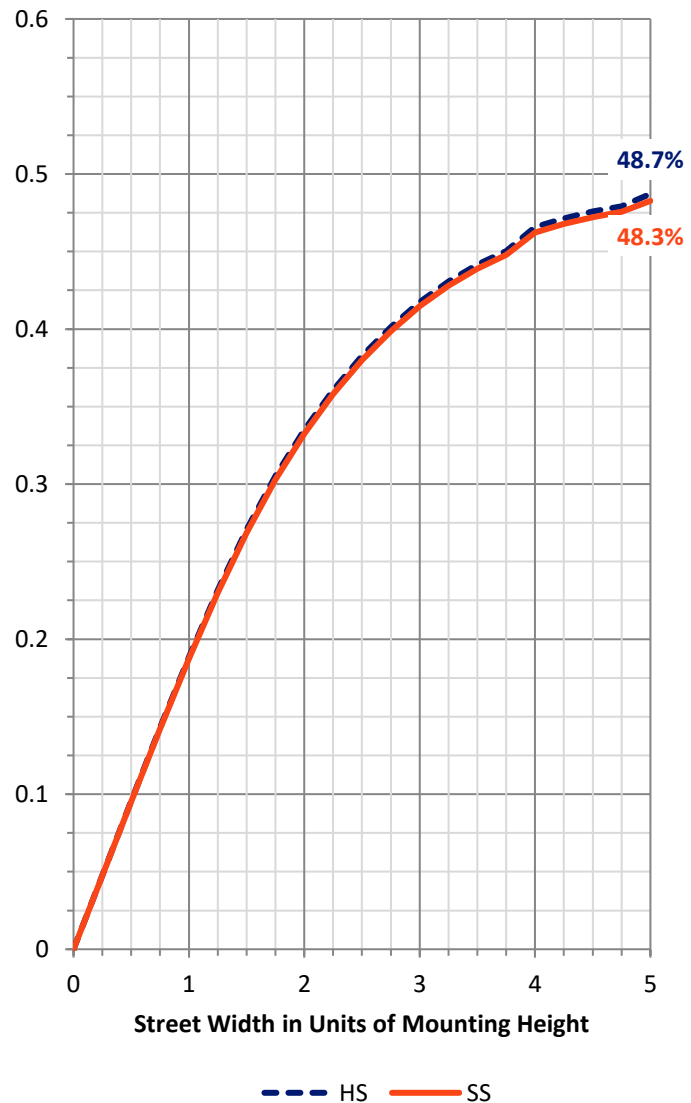
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1720.8	39.7	1760.5
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	1720.8	39.7	1760.5
	% Fixture	48.9	1.1	50.0
Total	Lumens	3441.6	79.4	3521.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.6	0.0
10°-20°	21.2	0.6
20°-30°	79.7	2.3
30°-40°	180.2	5.1
40°-50°	327.3	9.3
50°-60°	587.0	16.7
60°-70°	992.1	28.2
70°-80°	1065.8	30.3
80°-90°	186.9	5.3
90°-100°	65.0	1.8
100°-110°	8.6	0.2
110°-120°	2.4	0.1
120°-130°	1.5	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°	3441.6	97.7
0°-180°	3521.0	100.0



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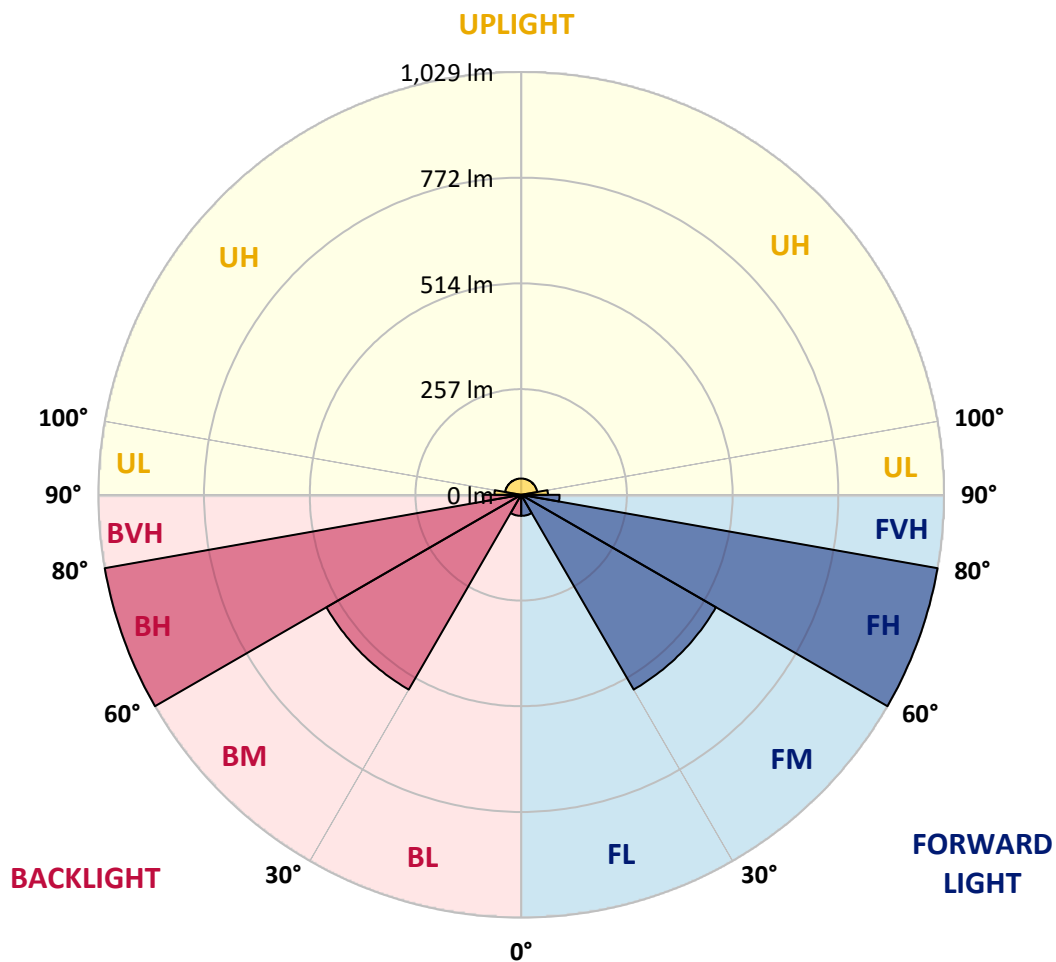
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	51.2	1.5			
FM	(30°-60°)	547.2	15.5			
FH	(60°-80°)	1028.9	29.2			G1/1800
FVH	(80°-90°)	93.4	2.7			G1/100
BL	(0°-30°)	51.2	1.5	B0/110		
BM	(30°-60°)	547.2	15.5	B1/1000		
BH	(60°-80°)	1028.9	29.2	B3/2500		G1/1800
BVH	(80°-90°)	93.4	2.7			G1/100
UL	(90°-100°)	65.0	1.8		U3/500	
UH	(100°-180°)	39.7	1.1		U2/50	

BUG Rating: B3-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
2.5°	3.2	3.2	3.2	2.8	2.8	2.8	2.8	2.4	2.8	2.8	2.8
5°	17.8	18.6	16.7	16.3	7.6	5.9	3.6	2.8	2.8	2.8	2.8
7.5°	40.0	40.0	38.9	34.9	25.8	21.4	11.9	4.4	3.2	2.8	2.8
10°	45.9	45.2	43.2	43.2	41.6	38.1	22.6	10.7	4.7	4.4	4.4
12.5°	69.8	69.8	63.8	58.6	46.3	42.0	35.7	25.4	26.2	42.0	48.0
15°	93.1	93.1	89.5	83.2	66.2	49.1	64.1	75.3	63.8	68.5	68.9
17.5°	103.4	103.0	98.2	92.7	85.6	94.3	89.1	86.3	75.3	75.7	77.2
20°	143.4	141.8	124.0	113.8	99.8	120.8	106.2	99.4	127.2	136.7	139.8
22.5°	153.3	152.1	147.4	137.9	144.2	129.5	130.7	143.8	146.2	151.0	152.1
25°	181.5	181.1	169.9	152.9	166.0	148.1	168.4	153.7	163.3	190.2	200.5
27.5°	207.1	206.4	202.4	183.0	175.1	192.1	179.4	199.7	220.7	226.6	231.4
30°	232.1	231.0	210.7	213.5	195.3	203.7	218.7	222.3	230.2	245.6	246.4
32.5°	272.2	269.4	255.9	237.7	232.5	217.9	235.0	235.7	290.8	319.4	326.0
35°	312.2	309.4	279.3	271.0	253.2	258.7	251.5	287.7	310.2	337.2	341.9
37.5°	364.5	361.7	339.1	299.9	282.4	274.6	292.8	307.4	326.8	362.9	362.5
40°	393.0	391.8	371.2	340.3	311.0	301.9	311.4	324.5	354.6	387.1	390.7
42.5°	427.1	424.3	408.1	372.0	347.4	333.6	331.6	357.3	389.4	423.9	424.7
45°	468.3	464.3	452.9	405.3	381.2	370.0	369.6	396.6	433.8	468.3	472.2
47.5°	514.6	511.1	503.5	448.1	424.7	410.4	419.5	436.6	474.6	515.8	520.2
50°	564.6	562.5	556.2	503.2	483.8	460.7	471.1	481.7	527.3	566.9	568.1
52.5°	618.1	619.2	616.4	565.0	543.6	526.9	538.4	536.4	580.8	626.8	625.5
55°	685.0	685.0	686.2	644.2	623.2	594.2	614.1	609.3	649.7	690.5	689.4
57.5°	760.3	760.7	764.2	730.9	713.1	689.4	702.5	693.3	719.0	754.7	751.2
60°	836.0	839.1	850.2	836.0	812.9	792.8	811.0	765.4	796.7	829.6	824.4
62.5°	914.0	918.7	935.4	932.6	908.1	899.3	914.4	855.0	896.5	904.1	898.9
65°	1004.3	1005.5	1028.9	1030.0	993.2	1010.3	1005.0	939.0	997.6	990.8	990.0
67.5°	1104.5	1112.9	1134.2	1124.3	1075.2	1089.4	1081.2	1018.1	1079.5	1077.6	1074.0
70°	1227.3	1230.9	1247.9	1211.5	1141.0	1160.4	1137.0	1083.9	1168.3	1182.5	1179.1
72°	1248.7	1257.4	1274.5	1254.2	1189.7	1213.8	1163.6	1112.9	1196.0	1207.2	1202.0
72.5°	1243.2	1250.4	1270.1	1253.1	1195.6	1221.8	1166.8	1112.0	1188.9	1200.4	1194.1
75°	1083.5	1082.7	1128.3	1160.0	1180.6	1257.8	1151.2	1050.3	1060.6	1058.5	1048.6
77.5°	689.8	711.2	772.1	876.4	1029.7	1170.3	1020.2	841.5	753.9	702.8	681.0
80°	240.5	257.1	322.8	462.4	718.2	892.9	714.7	464.3	309.0	240.1	236.9
82.5°	95.4	109.4	120.4	159.7	336.3	522.5	334.0	172.8	138.6	125.2	121.2
85°	75.7	77.6	85.6	91.1	122.0	168.8	148.1	104.5	97.5	87.6	85.6
87.5°	66.6	68.1	64.1	65.8	85.2	94.7	93.1	67.3	60.3	66.2	63.8
90°	69.8	70.5	64.5	65.4	86.3	97.1	89.9	63.4	62.6	69.4	67.0
92.5°	74.5	75.7	69.4	69.8	89.1	100.7	90.3	63.0	68.1	74.5	72.1
95°	61.0	62.6	58.2	59.8	77.6	89.9	80.4	56.3	60.7	72.5	70.1
97.5°	36.0	37.6	37.2	47.6	51.1	56.3	52.3	38.9	37.2	40.8	38.5
100°	6.3	7.9	16.7	31.3	28.9	24.6	26.9	24.1	15.9	8.3	5.9
102.5°	5.9	6.3	12.3	17.1	12.3	8.7	11.9	14.2	9.1	5.5	5.5
105°	5.9	6.3	6.8	7.2	4.0	3.6	5.1	8.3	5.5	5.5	5.5
107.5°	5.5	5.5	3.6	3.2	3.2	3.6	3.2	3.6	4.0	5.1	5.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	4.7	4.7	3.2	2.8	2.8	3.2	2.8	3.2	3.2	4.0	4.0
112.5°	3.6	3.6	2.4	2.4	2.4	2.8	2.4	2.4	2.8	3.2	3.2
115°	3.6	3.6	2.4	1.9	1.9	2.4	1.9	1.9	2.4	3.2	3.2
117.5°	3.2	3.2	1.9	1.5	1.5	1.5	1.5	1.5	2.4	3.2	3.2
120°	3.2	3.2	1.9	1.5	1.5	1.2	1.5	1.5	1.9	3.2	3.2
122.5°	3.2	3.2	1.9	1.2	1.2	1.2	1.2	1.5	1.9	2.8	3.2
125°	3.2	2.8	1.9	1.2	1.2	1.2	1.2	1.2	1.9	2.8	2.8
127.5°	2.8	2.8	1.9	1.2	1.2	0.8	0.8	1.2	1.5	2.4	2.8
130°	2.8	2.8	1.9	1.2	1.2	0.8	0.8	0.8	1.5	2.4	2.4
132.5°	2.4	2.4	1.5	0.8	0.8	0.8	0.8	0.8	1.2	1.9	1.9
135°	1.9	1.9	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
137.5°	1.9	1.9	1.5	1.2	0.8	0.8	0.8	0.8	0.8	1.2	1.2
140°	1.9	1.9	1.5	1.2	0.8	0.8	0.8	0.8	1.2	1.2	1.2
142.5°	1.9	1.9	1.5	1.2	0.8	0.8	0.8	0.8	1.2	1.2	1.2
145°	1.9	1.9	1.5	1.2	0.8	0.8	0.8	1.2	1.2	1.5	1.5
147.5°	1.9	1.9	1.5	1.2	0.8	0.4	0.8	1.2	1.5	1.5	1.5
150°	1.9	1.9	1.5	0.8	0.4	0.0	0.4	0.8	1.2	1.5	1.5
152.5°	1.5	1.5	1.2	0.4	0.4	0.0	0.0	0.4	1.2	1.2	1.2
155°	0.8	0.8	0.4	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
157.5°	0.4	0.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
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)