

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: P414553

Luminaire Tested: **LXF.LXT-PA1-30-727-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P414553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-30-727-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 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: 3338 lumens
Efficiency: N/A
Efficacy: 107.7 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: B2 - U3 - G2

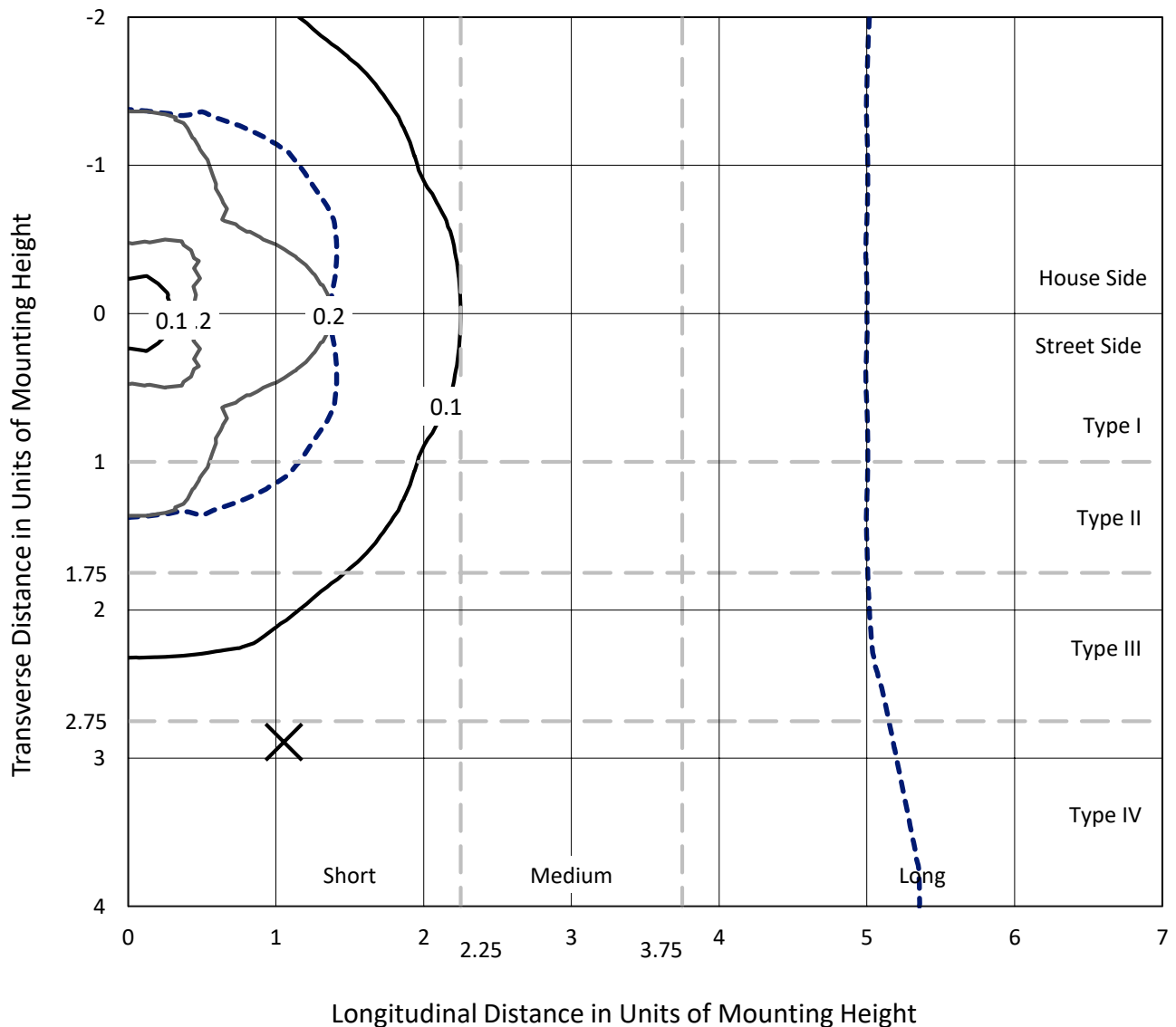
Input Watts (W): 31
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

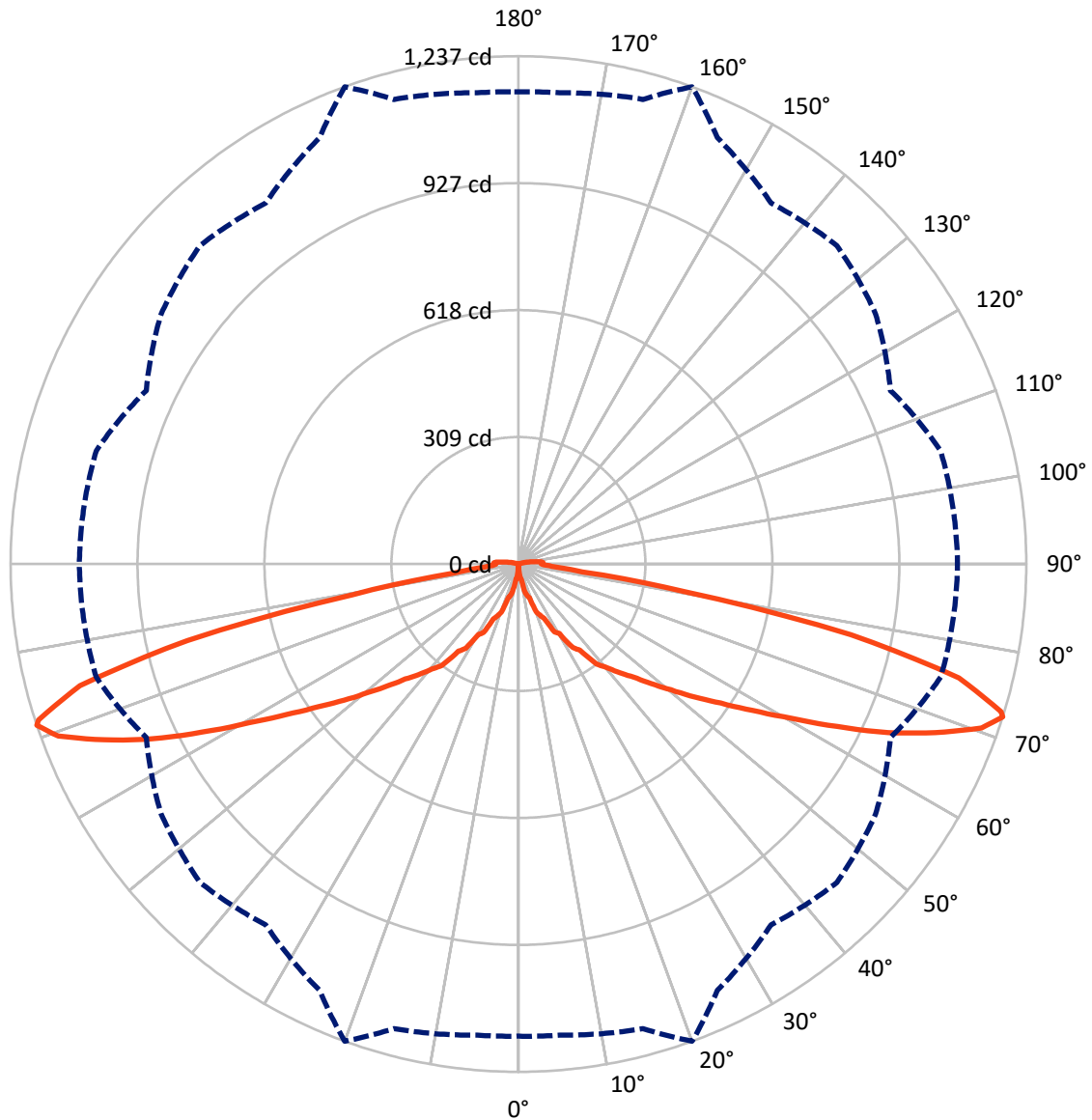
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.3 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical



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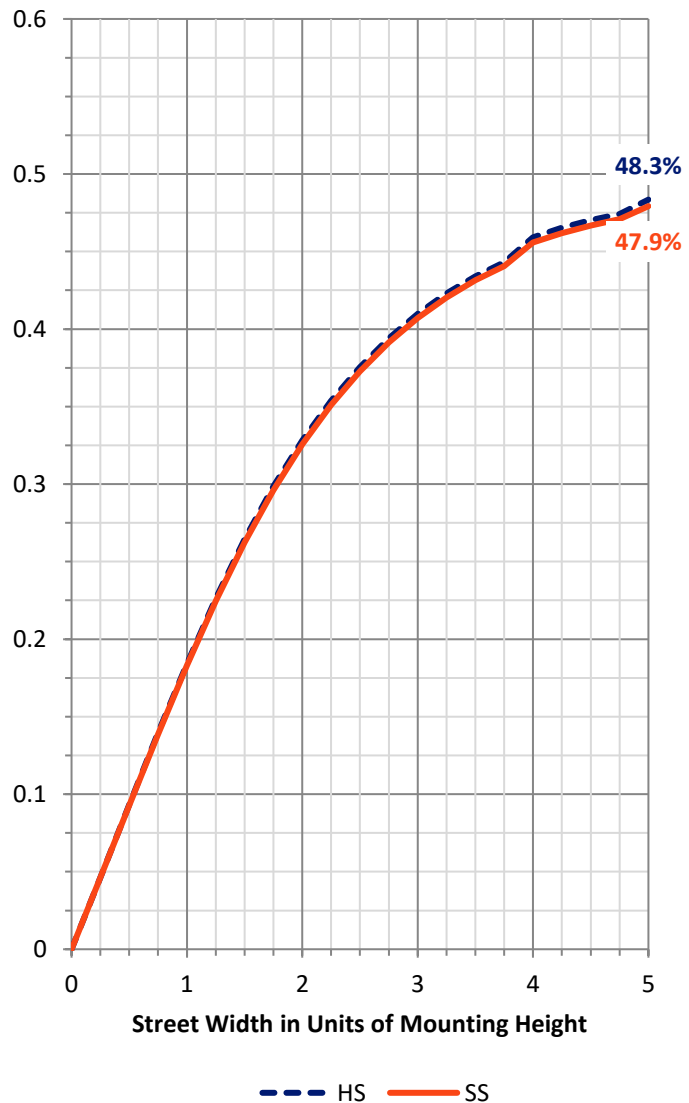
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1630.2	38.8	1669.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	1630.2	38.8	1669.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	3260.4	77.6	3338.0
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1.3	0.0
10°-20°	18.3	0.5
20°-30°	72.3	2.2
30°-40°	167.4	5.0
40°-50°	304.7	9.1
50°-60°	540.3	16.2
60°-70°	914.0	27.4
70°-80°	1015.6	30.4
80°-90°	226.4	6.8
90°-100°	63.0	1.9
100°-110°	9.3	0.3
110°-120°	2.2	0.1
120°-130°	1.4	0.0
130°-140°	0.8	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°	3260.4	97.7
0°-180°	3338.0	100.0



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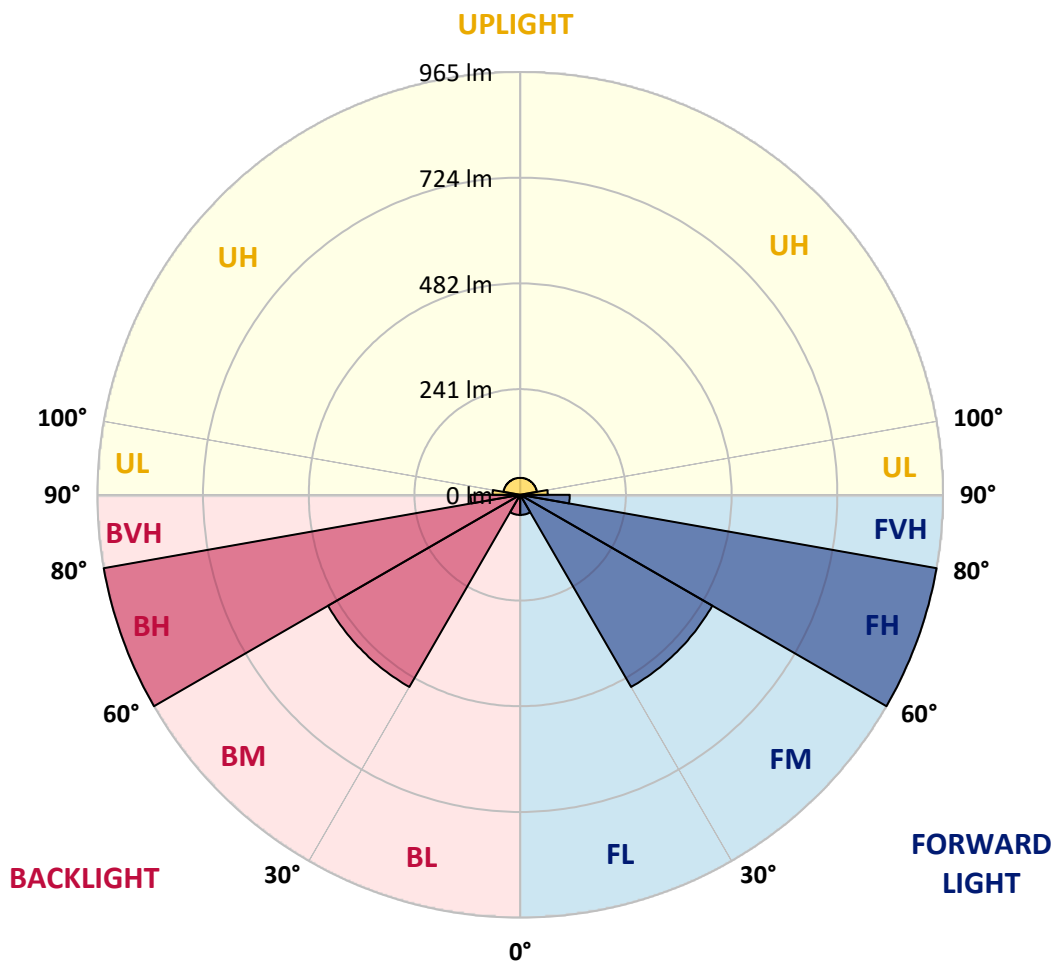
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	45.9	1.4			
FM (30°-60°)	506.3	15.2			
FH (60°-80°)	964.8	28.9			G1/1800
FVH (80°-90°)	113.2	3.4			G2/225
BL (0°-30°)	45.9	1.4	B0/110		
BM (30°-60°)	506.3	15.2	B1/1000		
BH (60°-80°)	964.8	28.9	B2/1000		G1/1800
BVH (80°-90°)	113.2	3.4			G2/225
UL (90°-100°)	63.0	1.9		U3/500	
UH (100°-180°)	38.8	1.2		U2/50	

BUG Rating: B2-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
2.5°	1.8	1.8	1.8	2.1	1.4	1.8	1.4	1.4	1.4	1.4	1.4
5°	15.6	15.2	14.1	26.2	12.4	6.4	3.5	2.1	1.4	1.4	1.4
7.5°	33.2	32.9	31.8	35.0	26.5	20.2	15.9	10.6	2.8	1.8	1.8
10°	40.0	39.6	38.2	38.5	37.1	36.1	29.7	18.0	8.1	2.8	2.8
12.5°	59.8	59.4	56.9	69.3	48.1	40.0	37.1	31.5	17.7	14.1	27.6
15°	81.7	81.7	78.1	79.9	66.1	58.3	43.1	54.1	59.4	56.6	60.5
17.5°	90.9	90.5	87.0	86.3	82.7	76.0	74.6	78.5	76.4	67.9	68.2
20°	115.6	115.3	110.7	124.1	102.5	86.3	107.5	94.1	86.6	98.7	114.6
22.5°	139.0	138.6	135.1	135.8	124.1	126.9	117.4	108.9	128.7	133.3	137.6
25°	164.8	163.7	149.9	147.1	137.2	150.3	134.7	156.7	143.2	149.6	160.9
27.5°	193.4	192.0	185.3	187.4	168.3	162.7	171.9	167.3	176.1	203.7	209.7
30°	211.8	203.7	197.7	196.6	200.5	182.1	189.2	193.8	203.3	215.4	226.0
32.5°	254.6	252.8	229.9	242.2	219.2	217.1	202.3	217.8	217.8	264.5	296.3
35°	273.7	271.9	265.6	257.4	251.8	232.3	239.4	234.4	270.5	287.8	314.4
37.5°	339.8	338.1	304.5	308.7	274.4	263.4	256.0	275.1	289.3	307.3	338.1
40°	365.6	364.2	350.8	331.7	319.0	287.5	278.3	294.2	311.5	331.3	362.8
42.5°	396.4	395.3	379.4	361.8	349.0	322.1	312.2	313.7	334.9	364.2	395.0
45°	433.2	433.2	422.9	392.5	380.1	361.0	345.1	346.9	366.7	402.1	433.9
47.5°	475.3	474.6	468.5	434.6	425.0	396.1	383.3	389.0	404.2	443.4	477.0
50°	524.4	520.9	520.5	481.6	470.0	440.3	428.2	437.8	447.0	485.9	522.3
52.5°	575.0	576.0	576.4	538.2	526.5	501.1	483.8	494.0	494.0	535.0	575.0
55°	635.1	637.6	635.8	598.0	599.7	572.2	548.5	561.2	556.6	595.8	631.6
57.5°	712.5	711.8	715.4	671.9	677.5	655.3	628.4	636.5	629.4	661.6	693.4
60°	790.0	790.0	799.2	761.3	776.5	743.0	725.6	729.9	704.8	731.6	759.9
62.5°	870.6	871.3	884.8	872.0	875.6	839.8	828.9	822.2	774.4	809.4	828.9
65°	952.3	953.4	975.6	989.4	963.3	930.7	921.2	904.9	853.6	903.1	906.7
67.5°	1035.0	1039.6	1066.2	1095.5	1055.6	995.1	1008.9	979.5	926.5	973.9	971.4
70°	1125.9	1129.1	1147.1	1196.3	1124.5	1046.7	1061.6	1040.0	977.0	1036.1	1040.7
72°	1149.6	1151.7	1171.2	1236.6	1145.4	1072.5	1096.6	1061.9	999.7	1064.4	1067.9
72.5°	1148.2	1151.4	1167.3	1228.8	1144.7	1077.1	1102.9	1064.4	999.3	1062.6	1062.3
75°	1040.3	1047.8	1072.2	1107.9	1081.7	1067.9	1123.1	1049.5	959.4	994.4	986.2
77.5°	763.5	769.1	804.5	827.1	878.7	971.4	1070.8	964.0	838.8	822.9	796.0
80°	374.5	372.4	443.4	411.3	560.5	743.3	888.6	762.8	593.0	482.7	413.4
82.5°	126.6	134.0	163.0	157.0	249.3	428.9	601.5	471.0	274.8	187.1	154.5
85°	71.4	73.9	89.8	86.3	101.5	166.6	309.4	214.3	120.2	100.4	89.5
87.5°	62.9	64.0	63.3	62.2	67.2	93.4	93.7	96.9	73.6	68.2	68.6
90°	63.7	64.4	57.6	55.2	59.1	78.1	87.0	82.4	60.1	58.7	64.4
92.5°	69.0	69.7	62.6	60.1	63.3	80.3	89.5	84.9	60.8	62.6	68.6
95°	62.9	63.7	57.6	55.2	58.7	74.6	83.8	82.0	58.0	64.0	72.8
97.5°	40.3	40.7	40.3	40.3	46.3	56.6	59.1	55.9	38.5	39.3	40.0
100°	15.9	12.7	18.0	26.5	32.9	33.2	31.8	29.4	24.8	16.3	8.1
102.5°	5.3	5.3	12.4	17.3	19.4	15.6	12.4	12.4	14.5	10.3	5.3
105°	5.3	5.3	6.7	8.1	8.1	4.2	3.9	6.4	9.2	5.3	5.3
107.5°	5.0	5.3	3.5	3.2	2.8	2.8	2.8	2.8	3.5	3.9	5.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	4.2	4.2	2.8	2.8	2.5	2.1	2.8	2.5	2.8	3.2	4.2
112.5°	3.2	3.5	2.1	2.1	2.1	1.8	2.5	2.1	2.1	2.5	2.8
115°	3.2	3.2	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.1	2.8
117.5°	3.2	2.8	1.8	1.4	1.4	1.4	1.4	1.4	1.4	2.1	2.8
120°	3.2	2.8	1.8	1.4	1.1	1.1	1.1	1.1	1.4	1.8	2.8
122.5°	2.8	2.8	1.8	1.4	1.1	1.1	1.1	1.1	1.1	1.8	2.8
125°	2.8	2.8	1.8	1.4	1.1	1.1	0.7	1.1	1.1	1.8	2.5
127.5°	2.8	2.5	1.8	1.1	1.1	0.7	0.7	0.7	1.1	1.4	2.5
130°	2.5	2.5	1.8	1.1	0.7	0.7	0.7	0.7	0.7	1.4	2.1
132.5°	2.1	2.1	1.4	1.1	0.7	0.7	0.7	0.7	0.7	1.1	1.8
135°	1.8	1.8	1.4	1.1	0.7	1.1	0.7	0.7	0.7	0.7	1.4
137.5°	1.8	1.8	1.4	1.1	0.7	1.1	0.7	0.7	0.7	0.7	1.1
140°	1.8	1.8	1.4	1.1	1.1	1.1	0.7	0.7	0.7	0.7	1.1
142.5°	1.8	1.8	1.4	1.1	1.1	1.1	0.7	0.7	0.7	1.1	1.1
145°	1.8	1.8	1.8	1.4	1.1	1.1	0.7	0.7	1.1	1.1	1.4
147.5°	2.1	2.1	1.8	1.4	1.1	0.7	0.7	0.7	1.1	1.4	1.4
150°	1.8	1.8	1.4	1.1	1.1	0.7	0.4	0.4	0.7	1.4	1.4
152.5°	1.4	1.4	1.1	0.7	0.7	0.4	0.0	0.4	0.7	1.1	1.4
155°	1.1	0.7	0.7	0.4	0.4	0.0	0.0	0.0	0.4	0.7	1.1
157.5°	0.4	0.4	0.4	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



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CANDELA DISTRIBUTION (continued):

	90°
0°	1.4
2.5°	1.4
5°	1.4
7.5°	1.8
10°	2.8
12.5°	28.3
15°	60.8
17.5°	68.2
20°	123.8
22.5°	139.3
25°	164.4
27.5°	214.6
30°	228.1
32.5°	303.8
35°	320.0
37.5°	341.9
40°	365.6
42.5°	396.1
45°	433.9
47.5°	477.7
50°	521.2
52.5°	573.6
55°	634.0
57.5°	691.7
60°	757.8
62.5°	824.3
65°	906.7
67.5°	971.4
70°	1042.5
72°	1069.0
72.5°	1062.6
75°	987.7
77.5°	798.5
80°	405.6
82.5°	143.6
85°	88.1
87.5°	67.2
90°	63.3
92.5°	67.5
95°	71.8
97.5°	38.2
100°	5.7
102.5°	5.7
105°	5.7
107.5°	5.7



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CANDELA DISTRIBUTION (continued):

	90°
110°	4.6
112.5°	3.2
115°	3.2
117.5°	3.2
120°	3.2
122.5°	3.2
125°	2.8
127.5°	2.5
130°	2.1
132.5°	1.8
135°	1.4
137.5°	1.1
140°	1.1
142.5°	1.1
145°	1.4
147.5°	1.4
150°	1.4
152.5°	1.4
155°	1.1
157.5°	0.4
160°	0.4
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)