

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: P415126

Luminaire Tested: **LXF.LXT-PA1-40-750-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415126
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-16)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-40-750-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND FROSTED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4910 lumens
Efficiency: N/A
Efficacy: 122.7 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Medium - Non-Cutoff
BUG Rating: B3 - U3 - G3

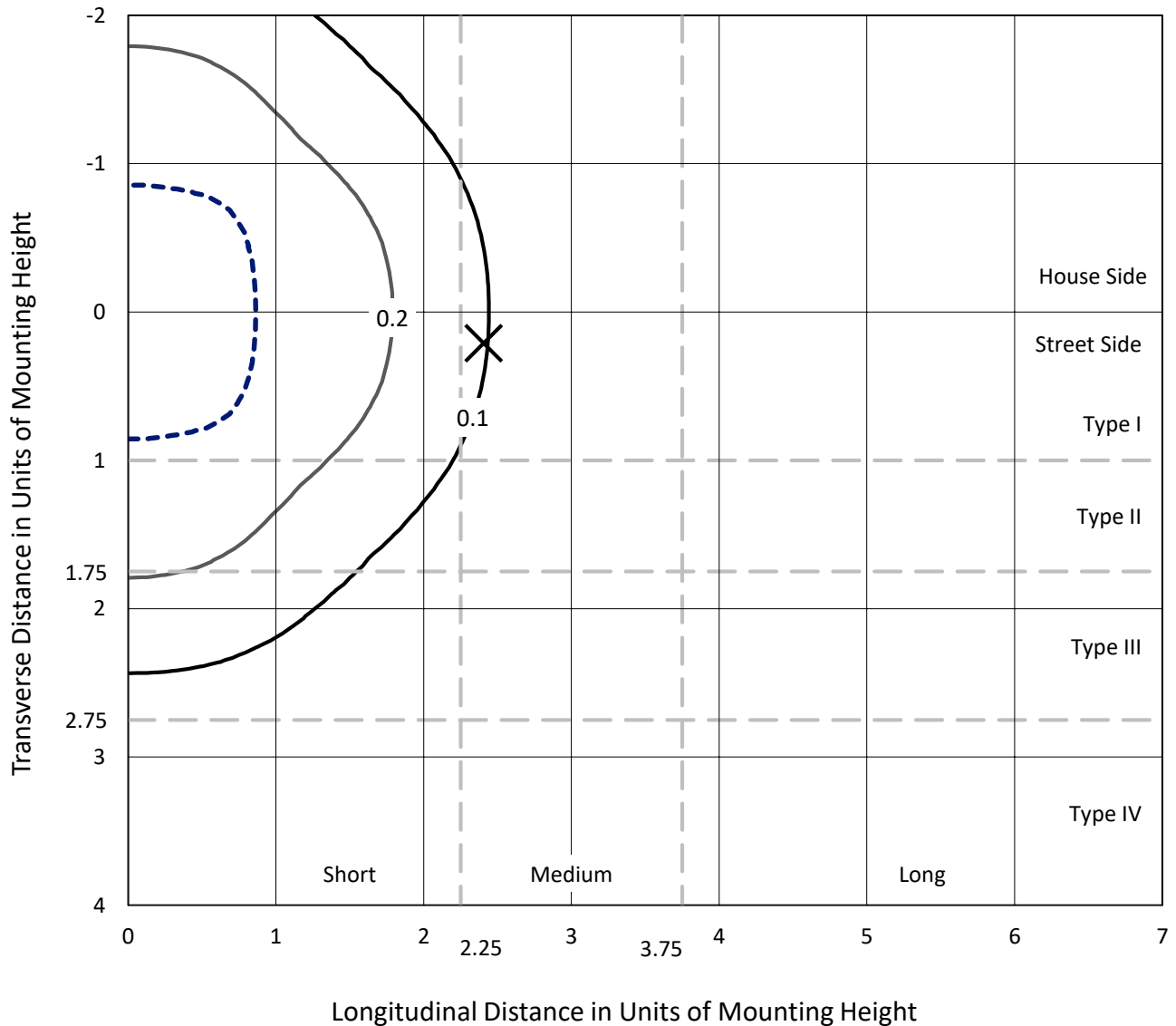
Input Watts (W): 40
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

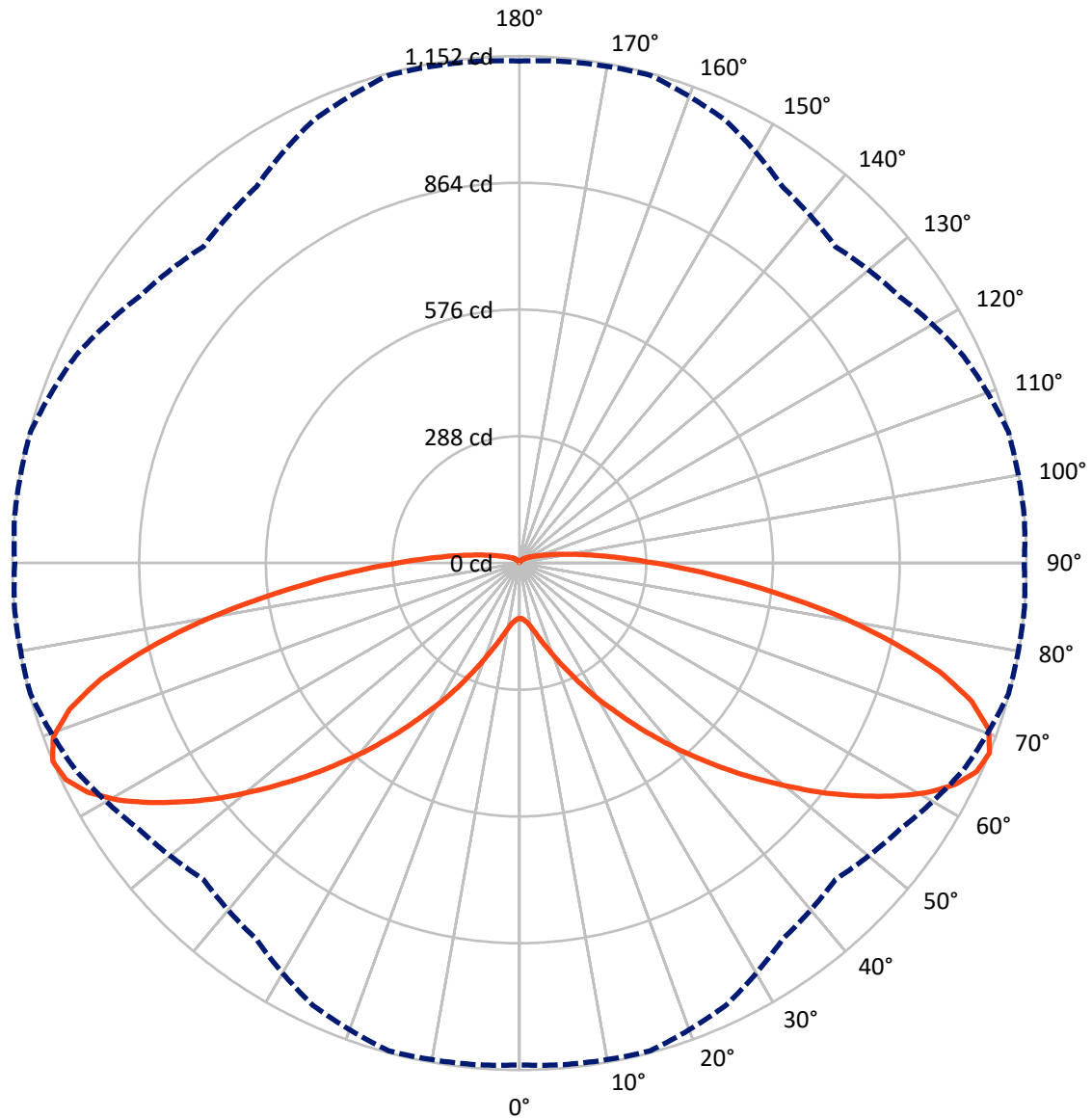
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Medium - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 85-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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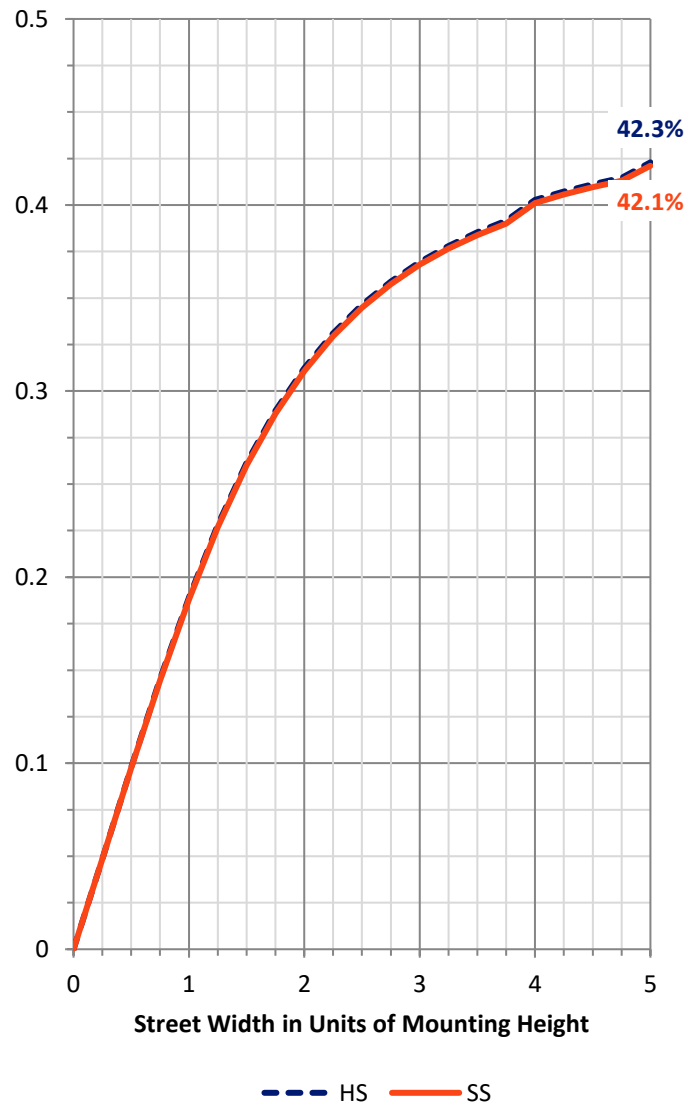
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2226.5	228.5	2455.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	2226.5	228.5	2455.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	4452.9	457.1	4910.0
	% Fixture	90.7	9.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.1	0.3
10°-20°	53.4	1.1
20°-30°	135.0	2.7
30°-40°	277.8	5.7
40°-50°	499.4	10.2
50°-60°	798.2	16.3
60°-70°	1068.0	21.8
70°-80°	1012.0	20.6
80°-90°	596.1	12.1
90°-100°	257.5	5.2
100°-110°	109.7	2.2
110°-120°	50.5	1.0
120°-130°	24.1	0.5
130°-140°	10.8	0.2
140°-150°	3.7	0.1
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4452.9	90.7
0°-180°	4910.0	100.0

Coefficient of Utilization



REPORT NUMBER: P415126

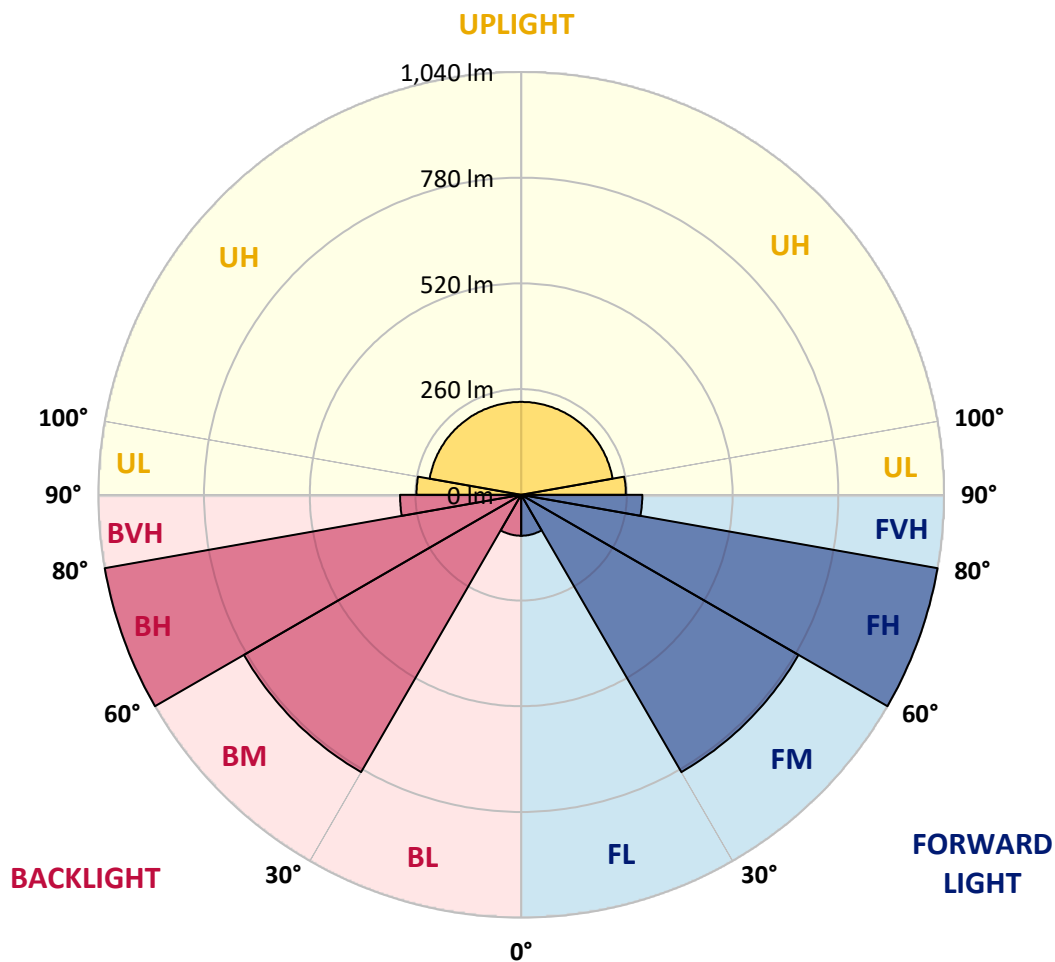
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	100.7	2.1			
FM	(30°-60°)	787.7	16.0			
FH	(60°-80°)	1040.0	21.2			G1/1800
FVH	(80°-90°)	298.0	6.1			G3/500
BL	(0°-30°)	100.7	2.1	B0/110		
BM	(30°-60°)	787.7	16.0	B1/1000		
BH	(60°-80°)	1040.0	21.2	B3/2500		G1/1800
BVH	(80°-90°)	298.0	6.1			G3/500
UL	(90°-100°)	257.5	5.2		U3/500	
UH	(100°-180°)	228.5	4.7		U3/500	

BUG Rating: B3-U3-G3

Type V Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9	125.9
2.5°	127.0	126.5	127.0	127.0	127.6	127.6	127.6	127.6	127.0	127.0	127.0
5°	131.4	131.4	131.4	131.4	131.9	131.9	131.9	131.4	131.4	131.4	131.4
7.5°	139.6	139.0	139.6	139.0	139.0	138.5	139.0	138.5	138.0	138.0	138.0
10°	150.0	150.0	150.0	149.5	149.5	149.5	148.4	148.4	148.4	148.4	148.4
12.5°	167.0	165.9	165.9	163.7	162.6	162.0	161.5	161.5	163.1	163.1	162.0
15°	186.7	186.1	186.1	183.4	181.2	177.9	178.5	180.7	180.7	181.7	181.2
17.5°	210.2	209.7	208.0	205.3	202.6	200.4	199.3	200.4	201.5	202.0	202.6
20°	235.9	235.4	233.2	230.5	227.7	226.6	222.8	224.4	225.5	226.6	226.1
22.5°	263.3	263.3	261.1	257.3	254.6	252.4	250.7	249.1	252.9	255.1	255.7
25°	296.7	295.6	291.8	287.4	284.1	282.5	280.3	280.3	283.0	287.4	288.5
27.5°	331.7	330.7	325.2	320.3	315.9	312.0	310.9	312.6	317.5	324.1	324.1
30°	370.6	368.4	363.5	355.8	348.7	344.9	346.0	348.7	355.8	363.5	363.0
32.5°	413.3	409.5	404.0	395.2	384.8	379.4	381.0	388.7	395.8	404.0	405.1
35°	458.8	458.2	449.4	437.9	424.8	416.1	419.3	429.7	440.7	452.2	453.8
37.5°	505.3	506.9	496.5	483.9	464.8	454.4	461.5	476.3	490.0	502.5	503.6
40°	562.2	560.6	550.2	531.6	508.6	497.1	503.1	523.9	541.4	557.3	558.4
42.5°	620.8	616.4	607.7	585.2	554.6	544.2	552.9	576.5	600.0	613.1	613.7
45°	676.1	677.7	667.9	641.0	607.1	591.2	603.8	631.7	659.1	673.3	675.0
47.5°	745.6	741.2	732.5	698.0	659.7	643.8	658.0	692.0	722.1	735.2	734.7
50°	813.5	810.8	798.2	762.0	718.8	699.6	713.9	755.5	788.3	799.8	802.5
52.5°	878.1	877.0	866.0	826.1	779.5	756.0	775.7	819.0	856.7	868.2	869.3
55°	944.3	941.0	932.8	891.2	838.1	811.8	836.5	884.7	923.5	934.5	935.0
57.5°	1003.5	1005.6	999.1	955.3	894.0	868.8	896.2	949.8	989.2	999.6	1001.3
60°	1062.6	1063.1	1058.2	1015.5	950.3	921.9	953.6	1009.5	1051.6	1060.9	1061.5
62.5°	1109.1	1110.2	1106.4	1059.8	994.7	967.3	1002.4	1060.4	1103.6	1110.2	1109.7
65°	1137.6	1140.9	1138.7	1096.5	1027.0	1001.8	1038.5	1099.3	1138.7	1142.5	1140.9
67.5°	1140.9	1144.7	1148.0	1109.7	1043.4	1016.6	1055.5	1113.5	1150.7	1152.4	1147.4
70°	1116.8	1120.6	1128.3	1096.5	1035.2	1012.8	1050.0	1102.0	1133.2	1131.0	1125.5
72.5°	1054.9	1063.1	1074.6	1053.3	1001.8	983.2	1019.9	1061.5	1082.8	1074.6	1067.0
75°	966.2	974.4	996.3	984.3	944.9	934.5	961.8	993.0	999.1	987.0	976.6
77.5°	858.4	868.8	889.0	898.3	872.1	861.7	884.7	901.1	894.5	868.2	860.6
80°	732.5	748.9	770.2	785.0	778.5	775.2	786.7	785.0	760.9	740.1	727.0
82.5°	617.5	620.8	653.6	672.3	674.4	675.5	678.8	659.1	631.2	603.3	591.2
85°	504.7	505.8	533.2	560.0	570.4	573.7	567.7	541.4	512.4	481.2	473.0
87.5°	404.6	406.2	430.3	457.7	475.7	477.9	466.4	440.7	404.6	376.6	369.5
90°	319.7	325.2	349.3	371.7	390.9	394.2	377.7	350.4	317.0	290.1	285.8
92.5°	255.7	258.4	280.3	301.1	319.2	319.7	308.2	280.3	250.7	226.6	221.2
95°	205.3	207.5	225.0	244.2	258.9	262.2	249.1	224.4	197.1	176.3	175.2
97.5°	163.7	166.4	180.1	200.4	211.3	213.5	204.7	181.7	156.6	138.0	138.0
100°	131.4	133.0	145.1	162.0	173.5	175.7	167.0	146.7	124.8	108.4	107.3
102.5°	106.8	107.8	117.7	133.0	143.4	145.6	138.0	121.5	100.2	87.0	86.5
105°	87.6	88.1	95.8	110.0	119.9	121.5	114.4	100.2	81.0	70.1	69.5
107.5°	71.7	72.3	78.3	91.4	100.7	102.4	96.3	82.1	65.7	58.0	56.9
110°	60.2	60.8	65.1	75.5	84.9	87.0	81.0	68.4	54.2	47.6	47.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	50.9	51.5	54.7	63.5	71.7	74.5	68.4	56.9	45.4	40.5	40.0
115°	43.2	43.8	46.0	53.6	60.2	62.4	58.0	47.6	38.3	34.5	34.5
117.5°	37.8	38.3	39.4	45.4	51.5	53.1	48.7	40.0	32.3	30.1	30.1
120°	33.4	33.4	33.9	38.3	43.2	44.9	41.1	33.9	27.9	26.3	26.3
122.5°	29.0	29.0	29.6	32.8	36.7	37.8	34.5	28.5	24.1	23.5	23.0
125°	25.7	25.7	25.7	27.9	31.2	31.8	29.0	24.1	21.4	20.8	20.8
127.5°	22.4	22.4	22.4	23.5	25.7	26.3	24.1	20.3	18.6	18.1	18.1
130°	19.7	19.7	19.7	20.3	21.4	21.9	19.7	17.5	16.4	16.4	16.4
132.5°	17.5	17.5	17.0	17.0	17.5	17.5	16.4	14.8	14.2	14.2	14.2
135°	15.3	15.3	14.8	14.2	14.2	13.7	12.6	12.0	12.6	12.6	12.6
137.5°	13.1	13.1	12.6	12.0	11.5	10.9	10.4	9.9	10.4	10.9	10.9
140°	10.9	10.9	10.4	9.3	8.8	8.2	7.7	8.2	8.8	9.3	9.3
142.5°	8.8	8.8	8.8	7.7	6.6	6.0	6.0	6.6	7.1	7.7	7.7
145°	7.1	7.1	6.6	6.0	4.9	4.4	4.4	4.9	6.0	6.0	6.0
147.5°	5.5	5.5	4.9	4.4	3.3	2.7	3.3	3.8	4.4	4.9	4.9
150°	3.8	3.8	3.8	3.3	2.2	2.2	2.2	2.7	3.3	3.3	3.3
152.5°	2.2	2.2	2.2	2.2	1.6	1.1	1.6	2.2	2.2	2.2	2.2
155°	1.6	1.6	1.6	1.6	1.1	1.1	1.1	1.6	1.6	1.6	1.6
157.5°	0.5	0.5	0.5	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
160°	0.0	0.0	0.5	0.5	1.1	1.1	1.1	1.1	0.5	0.5	0.5
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)