

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: P416064

Luminaire Tested: **LXF.LXT-PA1-60-827-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416064
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-21)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-60-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5479.1 lumens
Efficiency: N/A
Efficacy: 85.6 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: B3 - U3 - G3

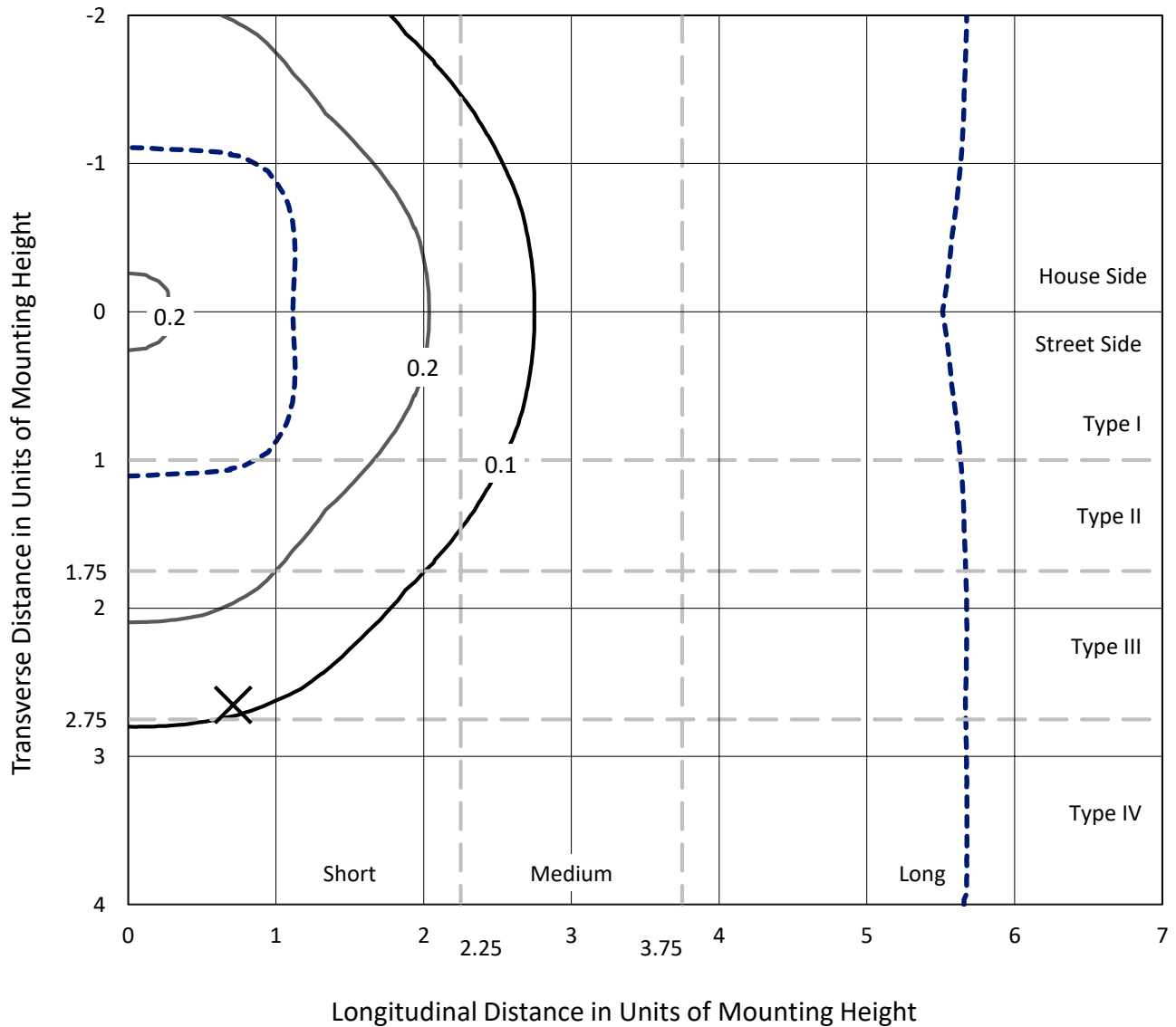
Input Watts (W): 64
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

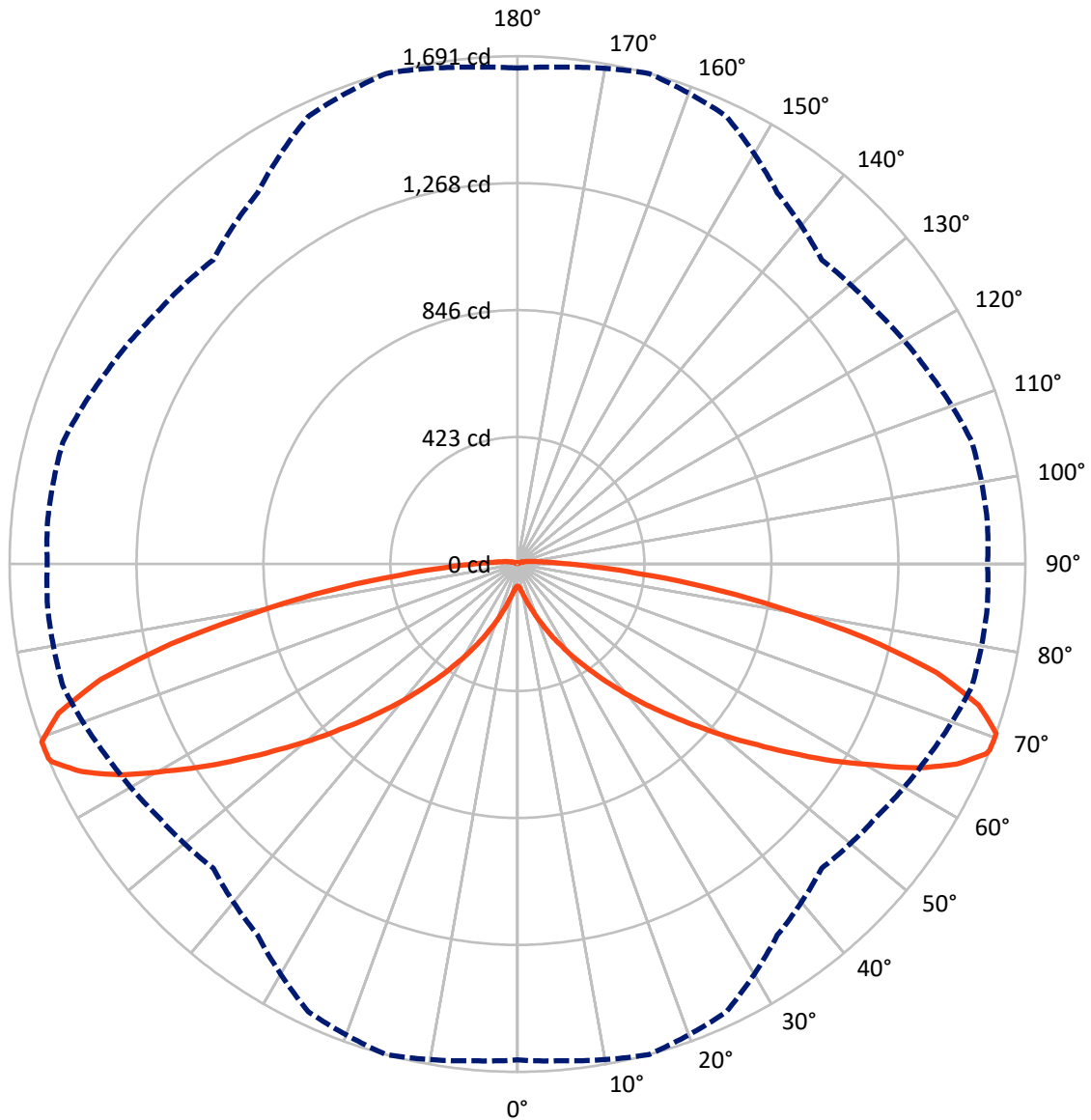
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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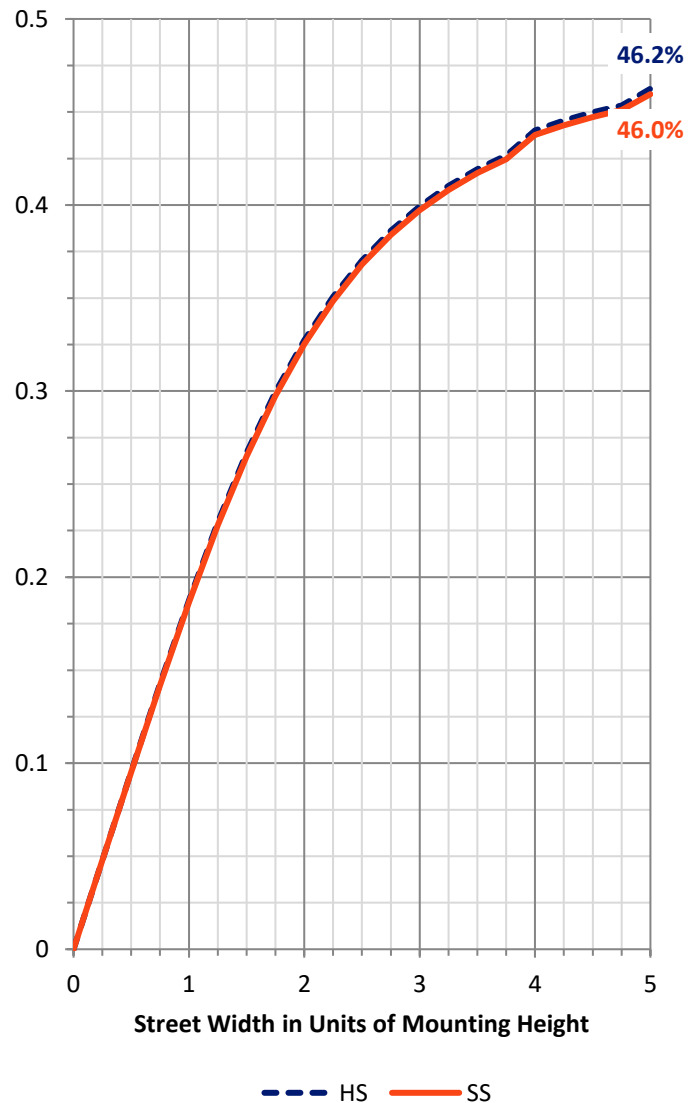
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2643.0	96.5	2739.5
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	2643.0	96.5	2739.5
	% Fixture	48.2	1.8	50.0
Total	Lumens	5286.1	193.0	5479.1
	% Fixture	96.5	3.5	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.2	0.1
10°-20°	39.6	0.7
20°-30°	119.0	2.2
30°-40°	273.6	5.0
40°-50°	526.1	9.6
50°-60°	930.2	17.0
60°-70°	1441.6	26.3
70°-80°	1399.0	25.5
80°-90°	548.8	10.0
90°-100°	118.1	2.2
100°-110°	40.4	0.7
110°-120°	17.7	0.3
120°-130°	9.0	0.2
130°-140°	4.9	0.1
140°-150°	2.3	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5286.1	96.5
0°-180°	5479.1	100.0



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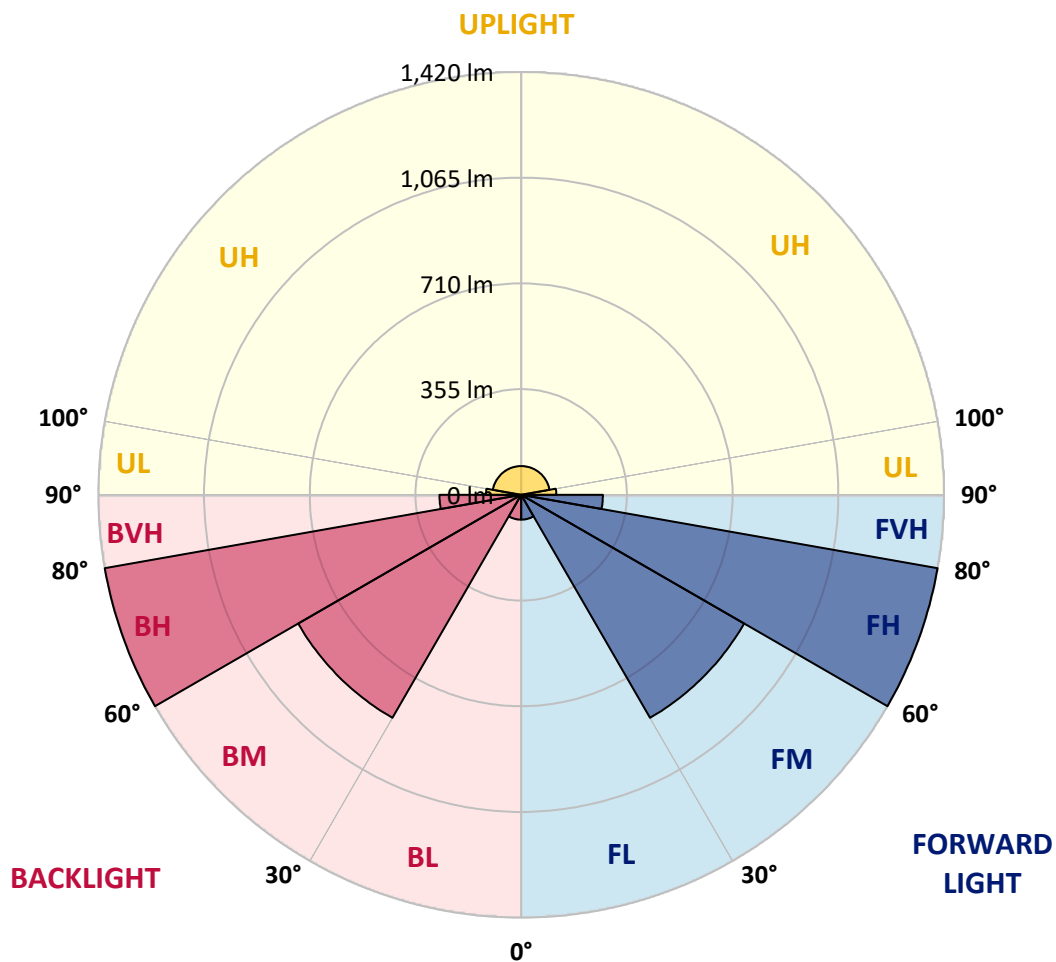
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	83.4	1.5			
FM	(30°-60°)	865.0	15.8			
FH	(60°-80°)	1420.3	25.9			G1/1800
FVH	(80°-90°)	274.4	5.0			G3/500
BL	(0°-30°)	83.4	1.5	B0/110		
BM	(30°-60°)	865.0	15.8	B1/1000		
BH	(60°-80°)	1420.3	25.9	B3/2500		G1/1800
BVH	(80°-90°)	274.4	5.0			G3/500
UL	(90°-100°)	118.1	2.2		U3/500	
UH	(100°-180°)	96.5	1.8		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8	73.8
2.5°	75.0	75.0	75.0	75.6	75.6	76.2	75.6	75.0	75.0	74.4	74.4
5°	80.4	80.4	80.4	80.4	81.0	81.0	79.8	79.2	78.6	78.6	78.6
7.5°	88.8	88.8	89.4	88.8	88.8	88.2	87.0	85.8	85.8	85.2	85.2
10°	102.0	100.8	100.8	100.2	99.6	98.4	97.2	96.6	95.4	95.4	94.2
12.5°	119.9	119.3	117.5	115.8	113.4	111.6	110.4	109.8	109.8	109.8	111.0
15°	140.9	141.5	140.3	136.1	131.3	127.7	127.1	127.1	128.3	129.5	129.5
17.5°	168.5	167.3	164.3	159.5	153.5	149.9	147.5	149.3	152.3	154.1	155.3
20°	198.5	197.9	193.7	185.9	179.3	174.5	172.7	175.1	180.5	185.3	184.7
22.5°	233.3	232.7	226.1	215.9	206.9	201.5	199.7	204.5	215.9	221.9	223.1
25°	272.9	271.1	265.1	251.3	238.7	230.3	231.5	239.9	254.9	266.9	266.3
27.5°	317.9	315.5	304.1	288.5	271.7	263.3	265.7	279.5	299.9	313.7	315.5
30°	367.0	363.4	351.4	328.7	309.5	297.5	303.5	322.7	348.4	368.2	370.6
32.5°	414.4	418.6	398.2	375.4	349.0	333.5	341.3	367.6	399.4	427.0	429.4
35°	474.4	470.8	453.4	423.4	391.0	374.8	385.0	417.4	453.4	485.8	487.0
37.5°	538.6	535.0	512.2	475.6	437.8	418.6	431.8	466.6	512.8	545.2	552.4
40°	607.5	600.3	579.3	534.4	488.2	468.4	481.0	524.8	574.6	609.9	614.7
42.5°	675.3	671.1	649.5	597.9	545.2	520.0	538.6	581.7	639.3	674.1	680.1
45°	749.1	748.5	725.1	668.7	609.3	581.1	600.3	648.3	703.5	743.7	747.3
47.5°	827.0	827.6	807.3	750.9	678.9	647.1	665.7	719.7	784.5	820.4	824.0
50°	919.4	915.8	902.0	836.0	760.5	724.5	748.5	804.9	864.8	903.2	906.8
52.5°	1016.6	1016.6	1000.4	939.8	851.6	814.4	834.8	892.4	959.6	994.4	1001.6
55°	1124.5	1119.7	1113.1	1047.1	957.2	914.0	934.4	999.8	1061.5	1091.5	1092.1
57.5°	1241.5	1236.7	1235.5	1176.1	1073.5	1017.2	1040.6	1102.3	1172.5	1192.3	1198.3
60°	1354.8	1363.2	1358.4	1306.2	1190.5	1126.9	1153.3	1218.1	1285.8	1303.8	1309.8
62.5°	1478.4	1482.6	1495.8	1432.2	1307.4	1239.7	1266.1	1323.6	1392.6	1407.6	1410.0
65°	1585.1	1589.3	1606.7	1546.7	1405.2	1333.8	1363.8	1424.4	1493.4	1506.5	1498.8
67.5°	1648.7	1658.3	1684.7	1627.7	1482.0	1403.4	1434.0	1491.0	1550.9	1562.9	1552.7
68°	1658.3	1666.1	1690.7	1639.1	1491.6	1411.8	1444.2	1500.6	1561.7	1571.3	1563.5
70°	1651.7	1660.7	1691.3	1645.7	1508.9	1432.8	1463.4	1511.3	1567.7	1571.3	1565.9
72.5°	1560.5	1576.7	1606.7	1590.5	1479.6	1410.6	1436.4	1465.8	1504.8	1504.2	1497.6
75°	1386.0	1378.8	1440.6	1448.4	1375.2	1335.6	1348.2	1348.8	1356.6	1345.8	1324.2
77.5°	1108.3	1125.1	1185.1	1237.3	1212.7	1197.1	1199.5	1164.1	1148.5	1102.3	1087.9
80°	808.5	821.6	885.8	965.0	1000.4	1018.4	998.0	931.4	876.8	829.4	813.2
82.5°	551.8	556.6	632.1	708.3	779.1	800.7	782.7	692.1	616.5	566.2	544.0
85°	339.5	347.3	401.2	476.8	560.2	609.3	567.4	476.8	400.6	361.0	352.0
87.5°	199.7	211.7	247.7	304.7	384.4	426.4	393.4	314.9	253.7	224.9	214.1
90°	124.7	131.9	154.7	196.1	257.9	288.5	266.3	204.5	163.7	139.1	131.3
92.5°	87.0	89.4	105.0	131.3	175.7	196.7	178.1	140.3	112.2	93.6	90.6
95°	64.8	66.6	76.2	93.0	121.1	137.3	124.7	99.0	79.8	67.2	65.4
97.5°	51.0	52.2	60.0	70.8	88.8	100.2	92.4	75.6	61.8	51.6	49.8
100°	39.6	40.8	48.0	56.4	69.6	75.6	70.8	59.4	48.6	39.6	38.4
102.5°	31.2	31.8	38.4	46.2	55.8	60.0	56.4	48.0	38.4	30.6	30.0
105°	24.6	25.2	31.2	38.4	46.2	49.2	46.8	39.6	30.6	23.4	22.8
107.5°	19.2	19.8	24.6	31.8	38.4	40.8	38.4	32.4	24.0	18.6	18.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	15.6	15.6	20.4	26.4	32.4	34.2	32.4	26.4	19.2	15.0	14.4
112.5°	13.2	13.2	16.8	22.2	27.0	29.4	27.0	21.6	15.6	12.0	12.0
115°	10.8	11.4	13.8	18.6	22.8	24.6	22.8	18.0	13.2	10.2	10.2
117.5°	9.6	10.2	12.0	15.6	19.8	21.0	19.2	15.0	10.8	9.0	9.0
120°	9.0	9.0	10.2	13.2	16.8	18.0	16.2	13.2	9.6	8.4	8.4
122.5°	8.4	8.4	9.0	11.4	14.4	15.6	13.8	10.8	8.4	7.8	7.2
125°	7.8	7.8	8.4	10.2	12.6	13.2	12.0	9.6	7.2	6.6	6.6
127.5°	7.2	7.2	7.8	9.0	10.8	11.4	10.8	8.4	6.6	6.6	6.6
130°	6.6	6.6	7.2	7.8	9.6	10.2	9.0	7.2	6.0	6.0	6.0
132.5°	6.0	6.0	6.0	7.2	8.4	8.4	7.8	6.6	6.0	5.4	5.4
135°	6.0	6.0	6.0	6.0	7.2	7.8	6.6	6.0	5.4	5.4	5.4
137.5°	5.4	5.4	5.4	5.4	6.0	6.6	6.0	5.4	4.8	4.8	4.8
140°	4.8	4.8	4.8	4.8	5.4	5.4	5.4	4.2	4.2	4.2	4.2
142.5°	4.2	4.2	4.2	4.2	4.2	4.8	4.2	3.6	3.6	3.6	3.6
145°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
147.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0
150°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
152.5°	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8
155°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
157.5°	0.6	0.6	1.2	1.2	1.2	1.8	1.2	1.2	0.6	0.6	0.6
160°	0.0	0.6	0.6	0.6	1.2	1.2	1.2	0.6	0.6	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)