

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: P413984

Luminaire Tested: **LXF.LXT-PA1-100-827-U-5WQ-TL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413984
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-PA1-100-827-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 7331.9 lumens
Efficiency: N/A
Efficacy: 76.4 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): 96
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

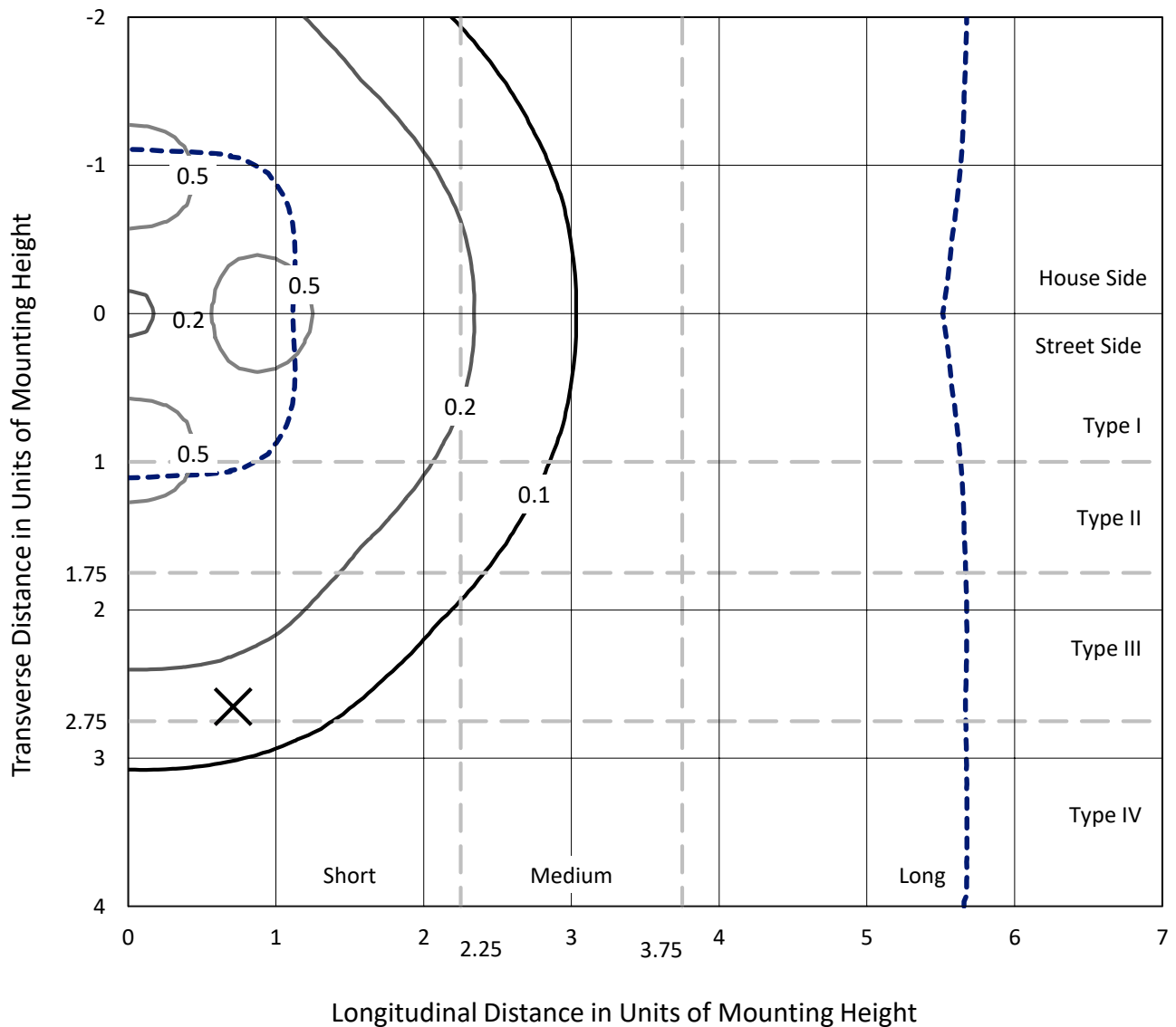


REPORT NUMBER: P413984

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-5WQ-TL

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

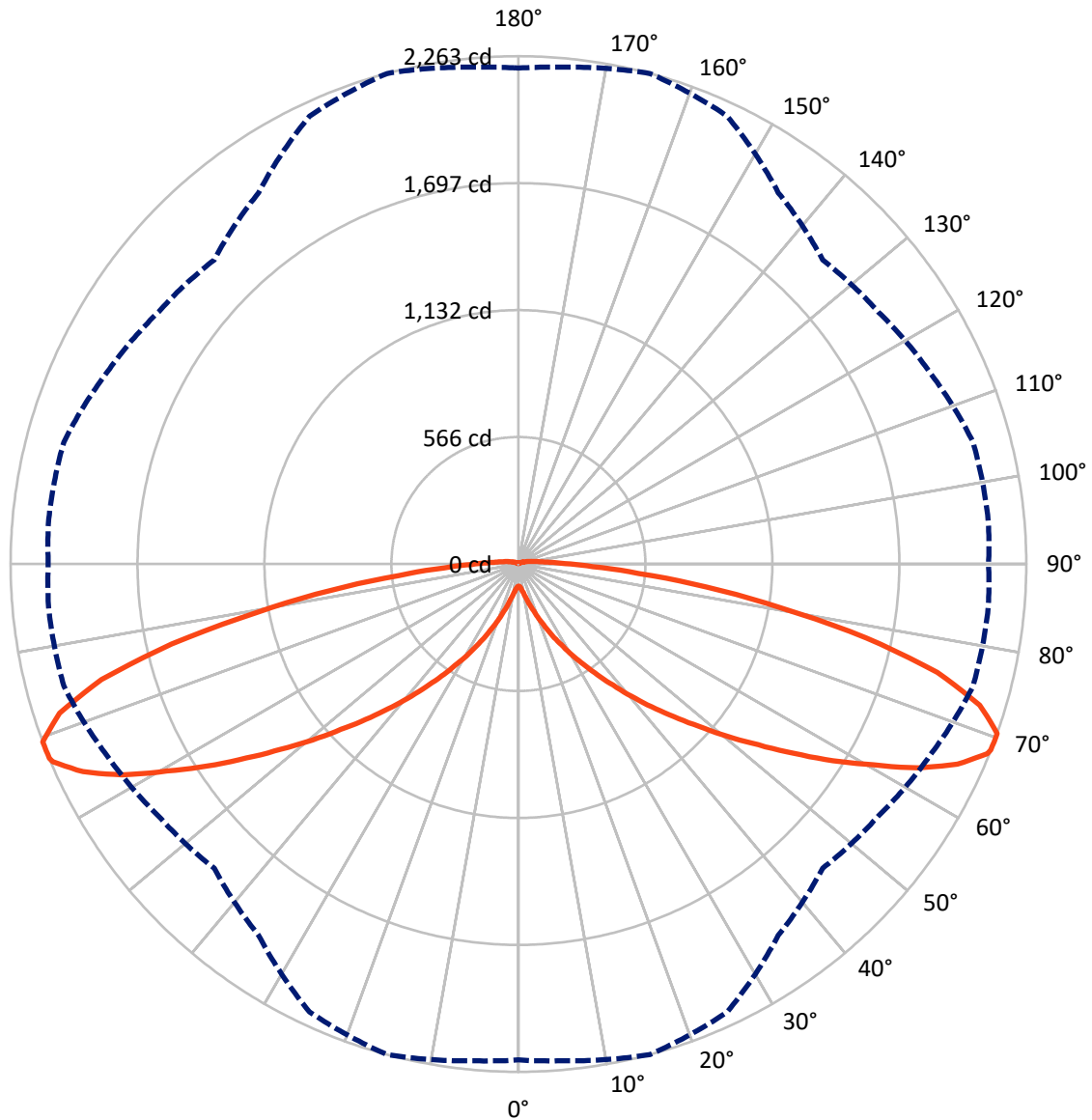


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

REPORT NUMBER: P413984

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-5WQ-TL

Luminous Intensity Polar Plot



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

REPORT NUMBER: P413984

CATALOG NUMBER: LXF.LXT-PA1-100-827-U-5WQ-TL

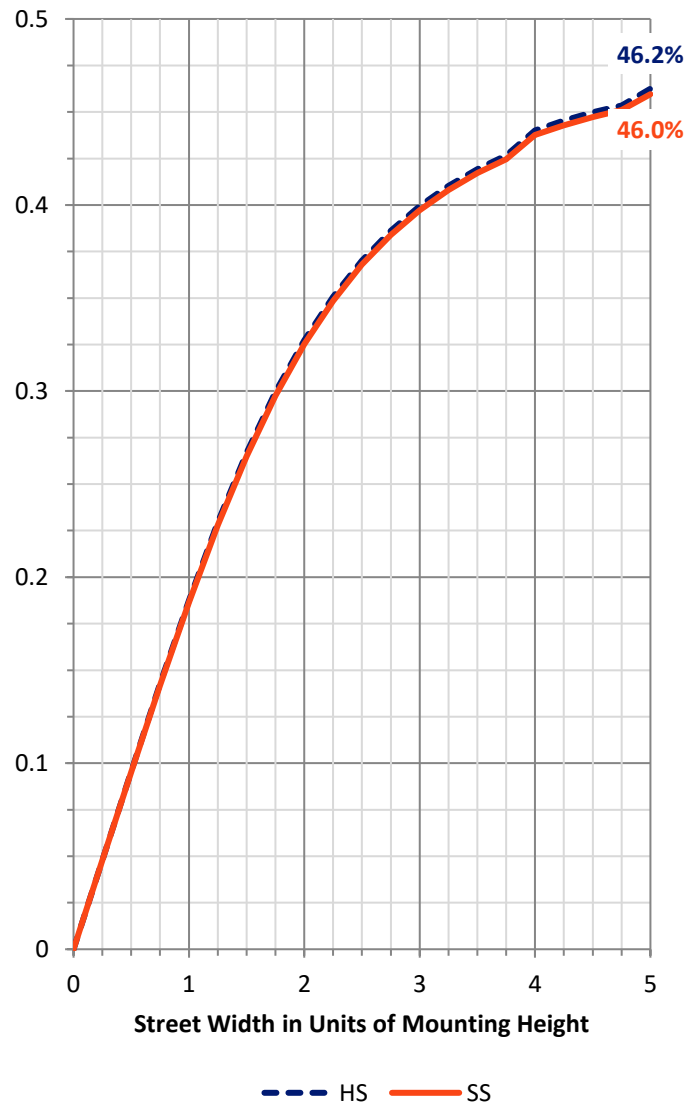
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3536.9	129.1	3666.0
	% Fixture	48.2	1.8	50.0
Street Side	Lumens	3536.9	129.1	3666.0
	% Fixture	48.2	1.8	50.0
Total	Lumens	7073.8	258.2	7331.9
	% Fixture	96.5	3.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.0	0.1
10°-20°	52.9	0.7
20°-30°	159.3	2.2
30°-40°	366.1	5.0
40°-50°	704.1	9.6
50°-60°	1244.8	17.0
60°-70°	1929.1	26.3
70°-80°	1872.2	25.5
80°-90°	734.4	10.0
90°-100°	158.0	2.2
100°-110°	54.0	0.7
110°-120°	23.7	0.3
120°-130°	12.0	0.2
130°-140°	6.5	0.1
140°-150°	3.0	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7073.8	96.5
0°-180°	7331.9	100.0

Coefficient of Utilization



REPORT NUMBER: P413984

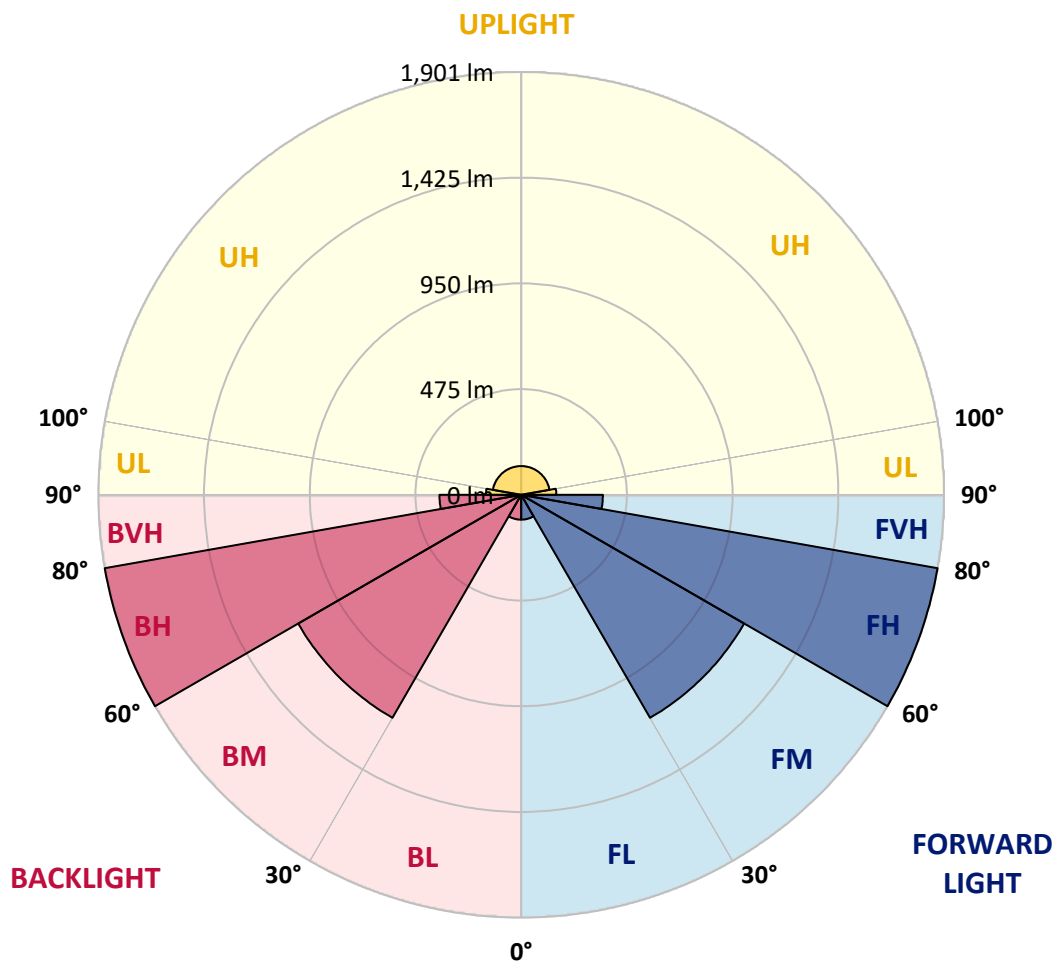
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	111.6	1.5			
FM (30°-60°)	1157.5	15.8			
FH (60°-80°)	1900.6	25.9			G2/5000
FVH (80°-90°)	367.2	5.0			G3/500
BL (0°-30°)	111.6	1.5	B1/500		
BM (30°-60°)	1157.5	15.8	B2/2500		
BH (60°-80°)	1900.6	25.9	B3/2500		G2/5000
BVH (80°-90°)	367.2	5.0			G3/500
UL (90°-100°)	158.0	2.2		U3/500	
UH (100°-180°)	129.1	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°	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7	98.7
2.5°	100.3	100.3	100.3	101.1	101.1	101.9	101.1	100.3	100.3	99.5	99.5
5°	107.5	107.5	107.5	107.5	108.3	108.3	106.7	105.9	105.1	105.1	105.1
7.5°	118.8	118.8	119.6	118.8	118.8	118.0	116.4	114.8	114.8	114.0	114.0
10°	136.4	134.8	134.8	134.0	133.2	131.6	130.0	129.2	127.6	127.6	126.0
12.5°	160.5	159.7	157.3	154.9	151.7	149.3	147.7	146.9	146.9	146.9	148.5
15°	188.6	189.4	187.8	182.2	175.8	170.9	170.1	170.1	171.8	173.4	173.4
17.5°	225.5	223.9	219.9	213.5	205.5	200.6	197.4	199.8	203.9	206.3	207.9
20°	265.7	264.8	259.2	248.8	240.0	233.5	231.1	234.4	241.6	248.0	247.2
22.5°	312.2	311.4	302.6	288.9	276.9	269.7	267.3	273.7	288.9	297.0	298.6
25°	365.2	362.8	354.7	336.3	319.4	308.2	309.8	321.0	341.1	357.1	356.3
27.5°	425.4	422.2	406.9	386.0	363.6	352.3	355.5	374.0	401.3	419.7	422.2
30°	491.2	486.4	470.3	439.8	414.1	398.1	406.1	431.8	466.3	492.8	496.0
32.5°	554.6	560.2	532.9	502.4	467.1	446.2	456.7	492.0	534.5	571.4	574.6
35°	634.8	630.0	606.7	566.6	523.3	501.6	515.3	558.6	606.7	650.1	651.7
37.5°	720.7	715.9	685.4	636.4	585.9	560.2	577.9	624.4	686.2	729.5	739.2
40°	813.0	803.4	775.3	715.1	653.3	626.8	643.7	702.3	768.9	816.2	822.6
42.5°	903.7	898.1	869.2	800.2	729.5	695.8	720.7	778.5	855.5	902.1	910.1
45°	1002.4	1001.6	970.3	894.9	815.4	777.7	803.4	867.6	941.4	995.2	1000.0
47.5°	1106.7	1107.6	1080.3	1004.8	908.5	866.0	890.9	963.1	1049.8	1097.9	1102.7
50°	1230.3	1225.5	1207.1	1118.8	1017.7	969.5	1001.6	1077.1	1157.3	1208.7	1213.5
52.5°	1360.4	1360.4	1338.7	1257.6	1139.7	1089.9	1117.2	1194.2	1284.1	1330.7	1340.3
55°	1504.8	1498.4	1489.6	1401.3	1280.9	1223.1	1250.4	1337.9	1420.6	1460.7	1461.5
57.5°	1661.3	1654.9	1653.3	1573.8	1436.6	1361.2	1392.5	1475.1	1569.0	1595.5	1603.5
60°	1813.0	1824.2	1817.8	1748.0	1593.1	1508.0	1543.3	1630.0	1720.7	1744.8	1752.8
62.5°	1978.3	1984.0	2001.6	1916.5	1749.6	1658.9	1694.2	1771.3	1863.6	1883.6	1886.9
65°	2121.2	2126.8	2150.1	2069.8	1880.4	1784.9	1825.1	1906.1	1998.4	2016.1	2005.6
67.5°	2206.3	2219.1	2254.4	2178.2	1983.2	1878.0	1919.0	1995.2	2075.5	2091.5	2077.9
68°	2219.1	2229.5	2262.5	2193.4	1996.0	1889.3	1932.6	2008.0	2089.9	2102.7	2092.3
70°	2210.3	2222.3	2263.3	2202.3	2019.3	1917.3	1958.3	2022.5	2097.9	2102.7	2095.5
72.5°	2088.3	2110.0	2150.1	2128.4	1979.9	1887.7	1922.2	1961.5	2013.7	2012.9	2004.0
75°	1854.7	1845.1	1927.8	1938.2	1840.3	1787.3	1804.2	1805.0	1815.4	1801.0	1772.1
77.5°	1483.2	1505.6	1585.9	1655.7	1622.8	1601.9	1605.1	1557.8	1536.9	1475.1	1455.9
80°	1081.9	1099.5	1185.4	1291.3	1338.7	1362.8	1335.5	1246.4	1173.4	1110.0	1088.3
82.5°	738.4	744.8	845.9	947.8	1042.5	1071.4	1047.4	926.2	825.0	757.6	727.9
85°	454.3	464.7	536.9	638.0	749.6	815.4	759.2	638.0	536.1	483.1	471.1
87.5°	267.3	283.3	331.5	407.7	514.4	570.6	526.5	421.4	339.5	301.0	286.5
90°	166.9	176.6	207.1	262.4	345.1	386.0	356.3	273.7	219.1	186.2	175.8
92.5°	116.4	119.6	140.5	175.8	235.2	263.2	238.4	187.8	150.1	125.2	121.2
95°	86.7	89.1	101.9	124.4	162.1	183.8	166.9	132.4	106.7	89.9	87.5
97.5°	68.2	69.8	80.3	94.7	118.8	134.0	123.6	101.1	82.7	69.0	66.6
100°	53.0	54.6	64.2	75.4	93.1	101.1	94.7	79.5	65.0	53.0	51.4
102.5°	41.7	42.5	51.4	61.8	74.6	80.3	75.4	64.2	51.4	40.9	40.1
105°	32.9	33.7	41.7	51.4	61.8	65.8	62.6	53.0	40.9	31.3	30.5
107.5°	25.7	26.5	32.9	42.5	51.4	54.6	51.4	43.3	32.1	24.9	24.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	20.9	20.9	27.3	35.3	43.3	45.7	43.3	35.3	25.7	20.1	19.3
112.5°	17.7	17.7	22.5	29.7	36.1	39.3	36.1	28.9	20.9	16.1	16.1
115°	14.4	15.2	18.5	24.9	30.5	32.9	30.5	24.1	17.7	13.6	13.6
117.5°	12.8	13.6	16.1	20.9	26.5	28.1	25.7	20.1	14.4	12.0	12.0
120°	12.0	12.0	13.6	17.7	22.5	24.1	21.7	17.7	12.8	11.2	11.2
122.5°	11.2	11.2	12.0	15.2	19.3	20.9	18.5	14.4	11.2	10.4	9.6
125°	10.4	10.4	11.2	13.6	16.9	17.7	16.1	12.8	9.6	8.8	8.8
127.5°	9.6	9.6	10.4	12.0	14.4	15.2	14.4	11.2	8.8	8.8	8.8
130°	8.8	8.8	9.6	10.4	12.8	13.6	12.0	9.6	8.0	8.0	8.0
132.5°	8.0	8.0	8.0	9.6	11.2	11.2	10.4	8.8	8.0	7.2	7.2
135°	8.0	8.0	8.0	8.0	9.6	10.4	8.8	8.0	7.2	7.2	7.2
137.5°	7.2	7.2	7.2	7.2	8.0	8.8	8.0	7.2	6.4	6.4	6.4
140°	6.4	6.4	6.4	6.4	7.2	7.2	7.2	5.6	5.6	5.6	5.6
142.5°	5.6	5.6	5.6	5.6	5.6	6.4	5.6	4.8	4.8	4.8	4.8
145°	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8	4.8
147.5°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
152.5°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4
155°	1.6	1.6	1.6	1.6	2.4	1.6	2.4	1.6	1.6	1.6	1.6
157.5°	0.8	0.8	1.6	1.6	1.6	2.4	1.6	1.6	0.8	0.8	0.8
160°	0.0	0.8	0.8	0.8	1.6	1.6	1.6	0.8	0.8	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)