

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: P254793

Luminaire Tested: **LXF.LXT-AF24-80-D-U-5WQ-FL-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P254793
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-28)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-80-D-U-5WQ-FL-7030
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7746.5 lumens
Efficiency: N/A
Efficacy: 93.3 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): 83
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

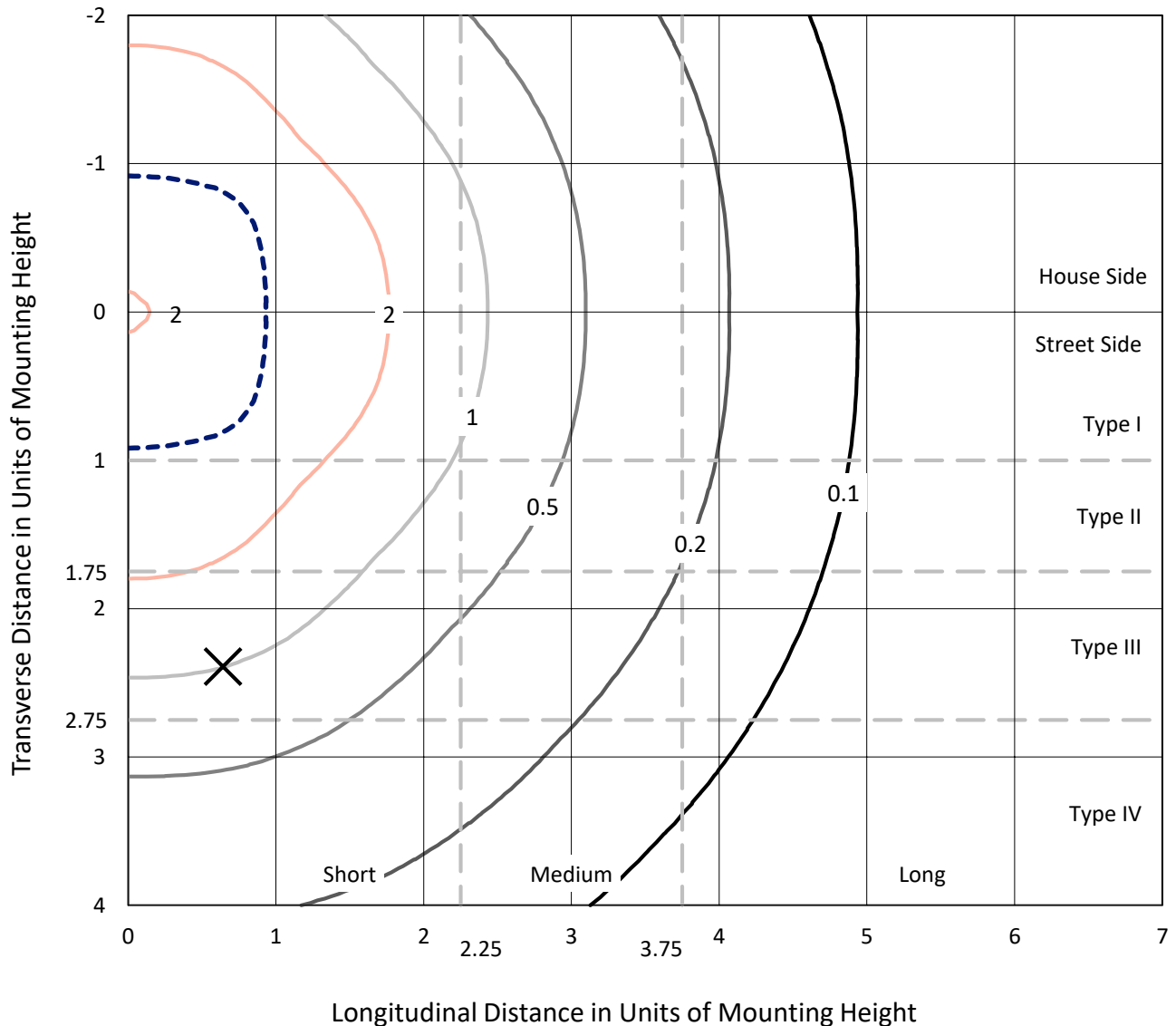


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

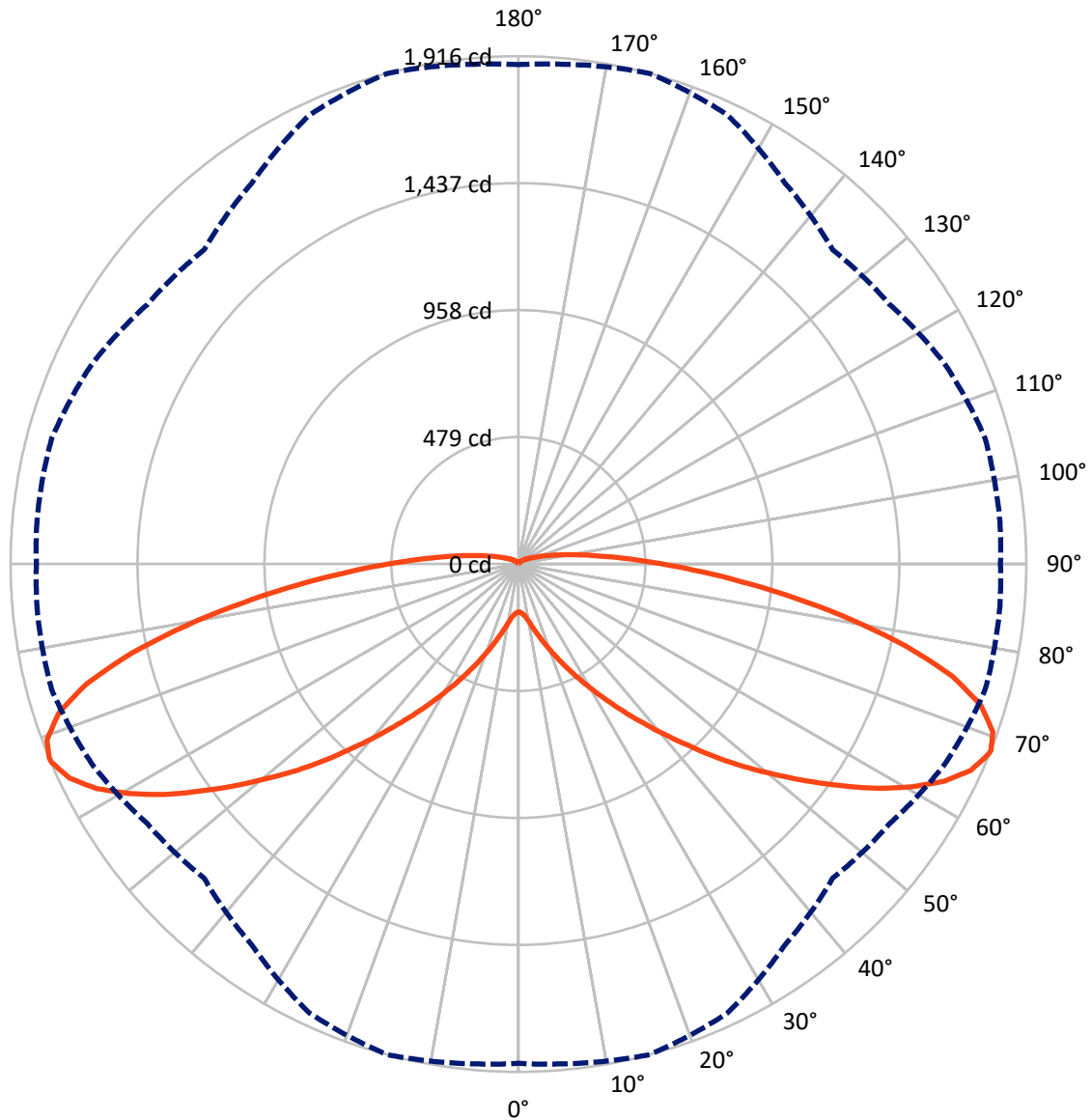


Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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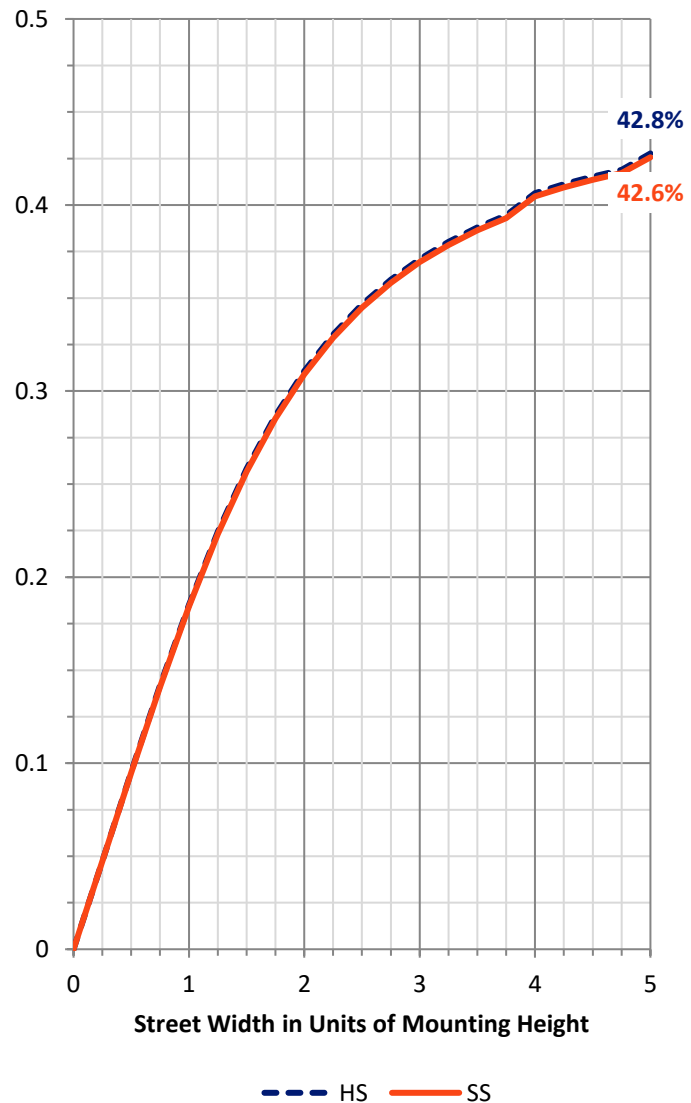
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3549.3	323.9	3873.2
	% Fixture	45.8	4.2	50.0
Street Side	Lumens	3549.3	323.9	3873.2
	% Fixture	45.8	4.2	50.0
Total	Lumens	7098.7	647.8	7746.5
	% Fixture	91.6	8.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.0	0.2
10°-20°	79.5	1.0
20°-30°	202.5	2.6
30°-40°	420.6	5.4
40°-50°	767.7	9.9
50°-60°	1254.1	16.2
60°-70°	1730.0	22.3
70°-80°	1671.5	21.6
80°-90°	953.9	12.3
90°-100°	384.0	5.0
100°-110°	150.8	1.9
110°-120°	65.3	0.8
120°-130°	30.0	0.4
130°-140°	13.1	0.2
140°-150°	4.2	0.1
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7098.7	91.6
0°-180°	7746.5	100.0



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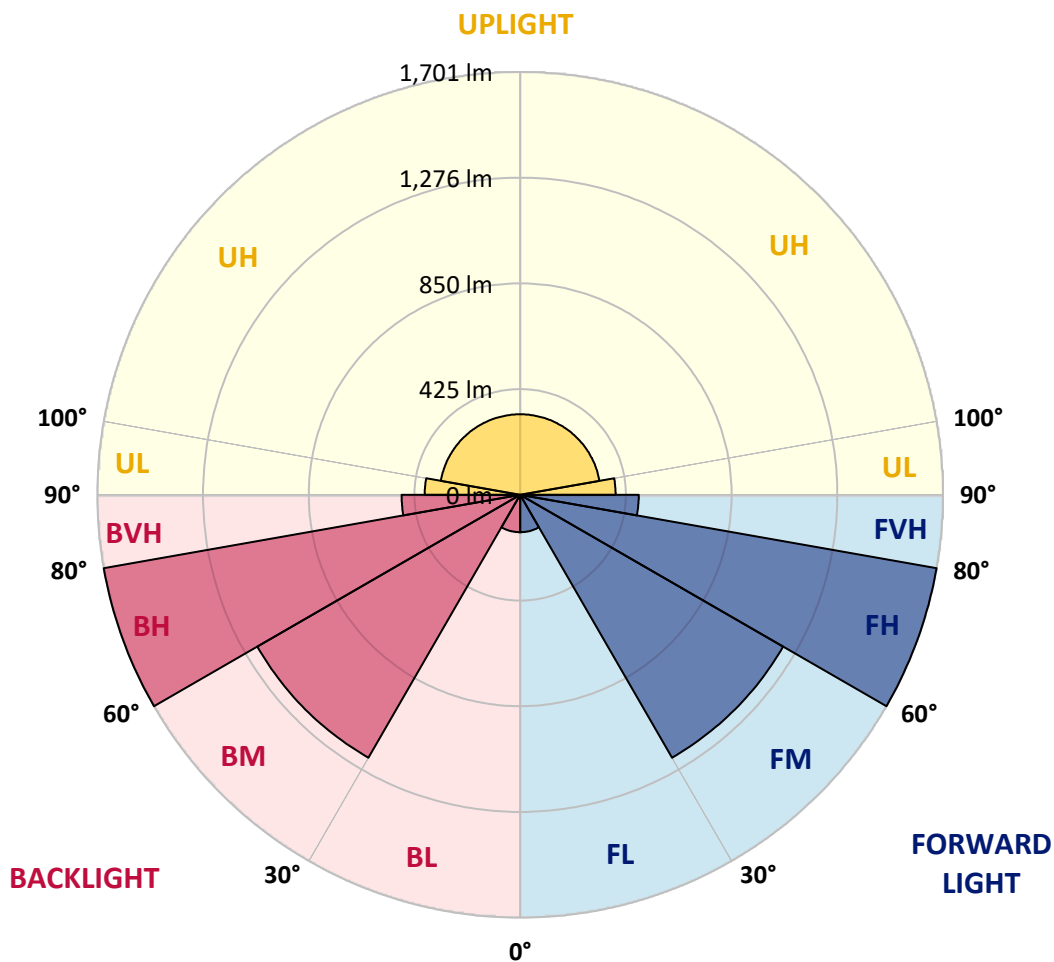
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.5	1.9			
FM (30°-60°)	1221.2	15.8			
FH (60°-80°)	1700.7	22.0			G1/1800
FVH (80°-90°)	476.9	6.2			G3/500
BL (0°-30°)	150.5	1.9	B1/500		
BM (30°-60°)	1221.2	15.8	B2/2500		
BH (60°-80°)	1700.7	22.0	B3/2500		G1/1800
BVH (80°-90°)	476.9	6.2			G3/500
UL (90°-100°)	384.0	5.0		U3/500	
UH (100°-180°)	323.9	4.2		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°	180.8	180.8	180.8	180.8	180.8	180.8	180.8	180.8	180.8	180.8	180.8
2.5°	183.3	183.3	183.3	183.3	183.3	183.3	183.3	183.3	182.5	182.5	182.5
5°	189.6	190.4	190.4	190.4	190.4	190.4	190.4	189.6	189.6	189.6	189.6
7.5°	202.0	202.0	202.0	202.0	202.0	201.1	201.1	201.1	200.3	200.3	199.3
10°	221.5	221.5	221.5	220.6	219.7	218.8	218.8	218.0	217.1	217.1	216.2
12.5°	247.2	247.2	247.2	242.8	241.9	240.1	240.1	240.1	241.0	241.0	241.9
15°	278.2	278.2	278.2	272.8	269.4	264.9	266.7	267.5	269.4	269.4	270.2
17.5°	313.6	313.6	311.8	306.6	301.2	298.6	296.7	299.5	301.2	302.9	302.9
20°	352.6	352.6	349.9	342.8	337.5	335.8	334.0	334.0	338.3	340.3	338.3
22.5°	396.9	395.1	393.4	384.5	379.1	374.8	374.8	373.8	379.1	382.7	381.9
25°	447.4	445.7	440.4	430.6	424.4	419.0	418.1	418.1	426.9	432.3	431.5
27.5°	502.4	499.7	492.5	482.0	472.2	465.1	466.0	469.5	477.5	487.3	487.3
30°	562.5	560.8	549.2	538.6	522.7	513.8	515.6	525.3	536.0	546.7	547.5
32.5°	629.0	625.5	612.2	597.9	578.5	566.9	570.6	582.1	597.9	613.9	614.8
35°	702.5	699.0	683.1	663.5	638.7	623.7	629.0	646.7	668.0	686.5	687.5
37.5°	782.3	777.0	757.5	737.1	703.4	685.7	694.6	717.7	742.4	763.6	766.4
40°	863.8	863.8	842.5	815.1	774.3	753.1	762.7	793.8	825.7	845.1	849.6
42.5°	955.0	955.9	932.0	899.2	851.3	826.5	838.1	874.4	913.4	934.6	939.1
45°	1050.7	1053.4	1035.7	989.6	934.6	904.5	917.8	963.8	1007.3	1029.4	1032.9
47.5°	1153.4	1157.0	1140.2	1087.0	1024.1	991.3	1005.5	1057.8	1108.3	1129.5	1133.1
50°	1262.5	1265.1	1244.7	1192.4	1121.5	1081.6	1099.4	1157.9	1210.1	1231.5	1236.7
52.5°	1374.9	1377.6	1358.1	1305.8	1223.4	1179.1	1200.4	1261.5	1320.1	1338.7	1339.5
55°	1488.3	1491.9	1475.1	1418.4	1329.8	1279.3	1303.3	1367.8	1430.8	1448.4	1453.8
57.5°	1600.0	1603.5	1596.4	1532.7	1437.9	1380.3	1407.7	1478.6	1540.7	1554.8	1555.7
60°	1704.6	1710.7	1705.4	1642.5	1539.8	1476.8	1506.0	1580.6	1642.5	1654.0	1655.9
62.5°	1796.7	1800.1	1802.9	1746.2	1630.1	1561.9	1594.6	1671.7	1732.0	1739.1	1738.2
65°	1859.6	1866.7	1875.6	1820.6	1703.7	1630.1	1663.8	1739.1	1794.9	1800.1	1796.7
67.5°	1883.5	1893.3	1912.7	1864.0	1748.8	1671.7	1704.6	1774.5	1822.3	1824.9	1818.8
68°	1883.5	1892.4	1915.5	1867.6	1753.3	1676.1	1708.0	1777.2	1823.2	1823.2	1818.0
70°	1856.0	1868.5	1898.5	1862.3	1754.1	1679.8	1707.1	1766.5	1805.5	1798.4	1790.4
72.5°	1769.2	1783.3	1824.1	1802.0	1713.4	1647.0	1666.4	1709.8	1727.6	1713.4	1705.4
75°	1618.5	1633.7	1689.4	1685.9	1623.0	1568.1	1579.6	1599.1	1599.1	1572.6	1558.4
77.5°	1429.0	1443.2	1498.1	1520.3	1490.1	1449.4	1449.4	1445.0	1422.8	1378.6	1366.1
80°	1203.9	1216.4	1274.8	1321.8	1316.5	1293.4	1282.8	1254.6	1215.5	1166.8	1149.1
82.5°	979.0	992.2	1048.9	1096.8	1127.8	1119.0	1100.4	1056.0	998.4	944.4	933.7
85°	776.1	780.5	839.8	901.0	936.5	939.9	920.5	863.8	804.3	751.2	738.8
87.5°	605.1	611.3	660.0	721.9	765.5	768.9	749.5	691.9	634.4	586.5	575.9
90°	465.1	474.8	513.8	569.7	611.3	620.1	600.7	549.2	495.3	451.8	442.9
92.5°	358.8	365.0	399.6	447.4	485.4	497.0	479.3	434.1	387.1	349.1	345.5
95°	281.7	283.5	311.0	351.7	383.6	398.7	381.9	343.7	302.9	271.9	268.4
97.5°	218.0	221.5	243.6	278.2	307.4	317.2	304.8	272.8	239.2	210.0	207.3
100°	169.3	171.9	191.3	222.4	246.3	255.1	245.4	218.8	187.8	164.8	164.8
102.5°	134.6	135.6	151.6	177.2	196.6	204.7	197.5	175.4	148.8	130.2	131.1
105°	108.0	108.0	120.5	143.5	162.1	167.5	161.2	141.7	118.8	104.6	104.6
107.5°	86.9	87.7	97.5	116.9	133.8	139.1	133.8	116.1	95.7	85.0	85.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	71.8	71.8	78.8	95.7	110.8	116.1	110.8	94.8	78.0	69.1	69.1
112.5°	59.3	59.3	64.7	78.8	92.1	97.5	92.1	78.0	63.8	57.6	57.6
115°	50.5	50.5	54.1	65.5	77.0	81.5	77.0	65.5	53.2	49.6	49.6
117.5°	43.3	43.3	46.1	54.9	64.7	69.1	64.7	54.1	45.3	42.5	42.5
120°	38.1	38.1	39.0	45.3	54.1	57.6	54.1	45.3	38.1	36.3	36.3
122.5°	32.8	32.8	32.8	38.1	45.3	47.8	44.2	38.1	32.8	31.9	31.9
125°	29.3	28.3	29.3	31.9	37.2	40.8	37.2	31.9	28.3	28.3	28.3
127.5°	25.6	25.6	24.8	26.6	31.0	32.8	31.0	26.6	24.8	24.8	24.8
130°	22.2	22.2	22.2	23.1	24.8	26.6	25.6	23.1	22.2	22.2	22.2
132.5°	19.4	19.4	18.6	19.4	20.3	21.3	20.3	18.6	18.6	19.4	19.4
135°	16.8	16.8	16.8	16.0	16.0	16.8	16.0	16.0	16.8	16.8	16.8
137.5°	15.1	15.1	14.2	13.3	12.4	12.4	12.4	13.3	14.2	14.2	15.1
140°	12.4	12.4	11.5	10.6	9.8	9.8	9.8	10.6	11.5	12.4	12.4
142.5°	10.6	10.6	9.8	7.9	7.1	6.2	7.1	7.9	8.8	9.8	9.8
145°	7.9	7.9	7.1	6.2	5.4	4.5	4.5	6.2	7.1	7.9	7.9
147.5°	6.2	6.2	5.4	4.5	3.5	2.6	2.6	4.5	5.4	6.2	6.2
150°	4.5	4.5	3.5	2.6	1.7	1.7	1.7	2.6	3.5	3.5	4.5
152.5°	2.6	2.6	1.7	1.7	0.9	0.9	0.9	1.7	1.7	2.6	2.6
155°	0.9	1.7	0.9	0.9	0.9	0.0	0.9	0.9	0.9	1.7	1.7
157.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
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)