

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: P415958

Luminaire Tested: **LXF.LXT-PA1-60-750-U-5WQ-FL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P415958
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-PA1-60-750-U-5WQ-FL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 800mA 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: 7316 lumens
Efficiency: N/A
Efficacy: 114.3 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): 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

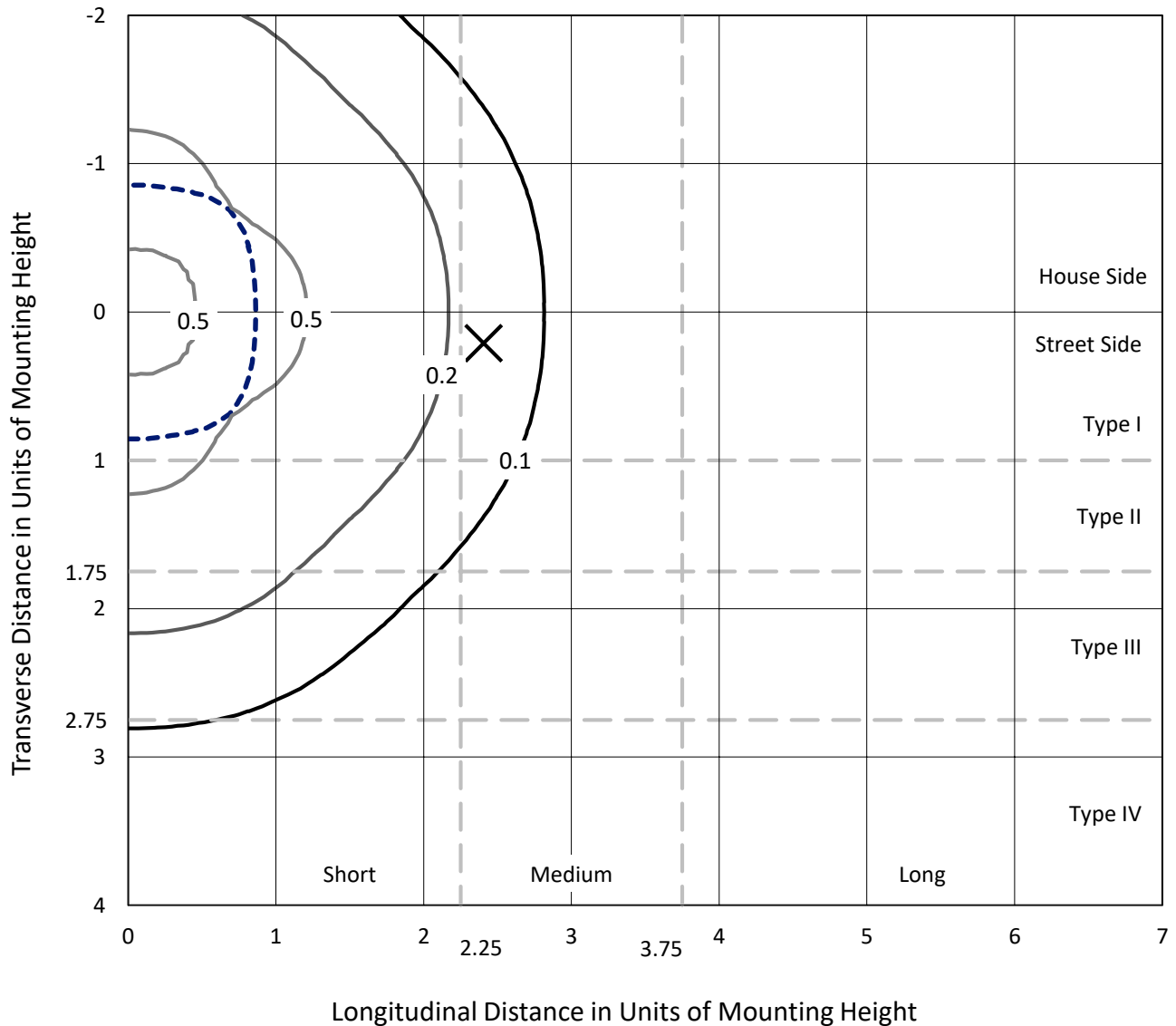


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Iso-Footcandle Lines of Horizontal Illumination

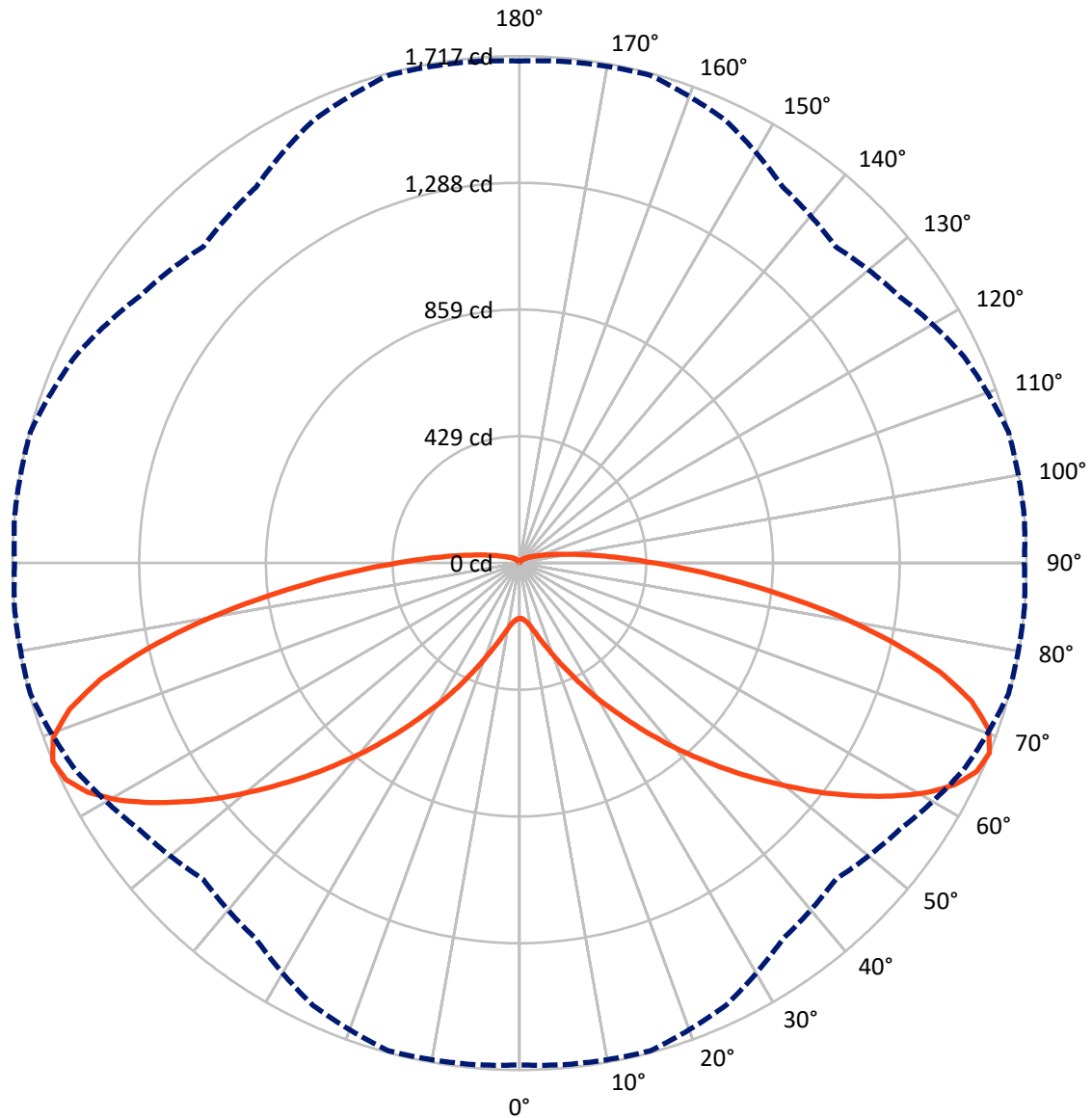
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 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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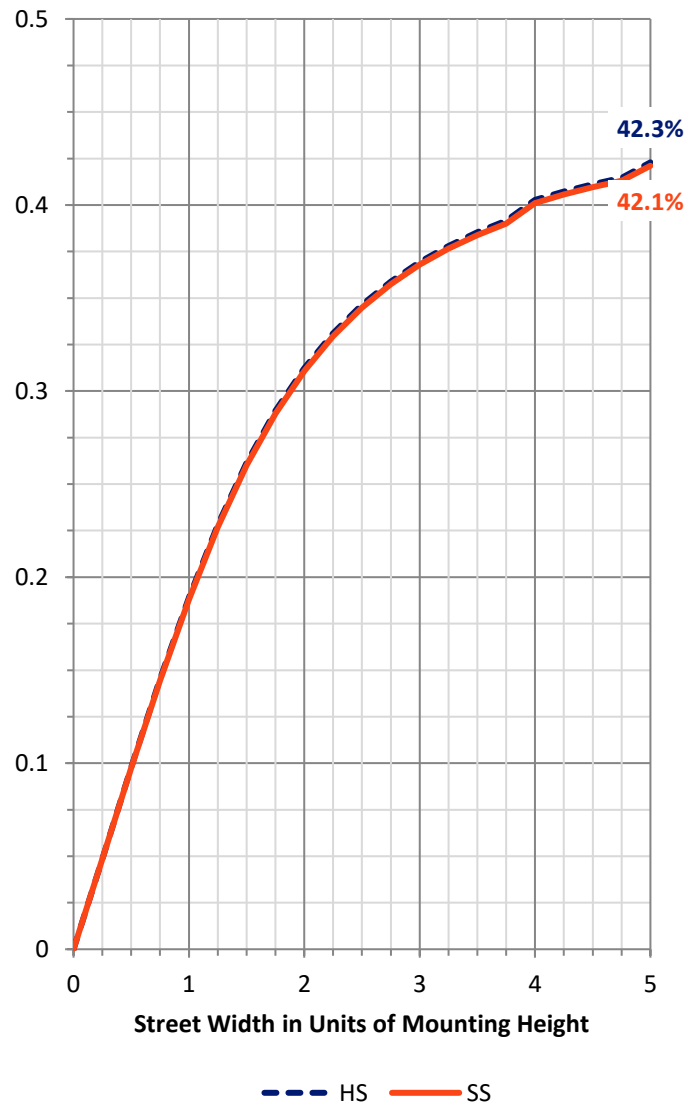
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3317.5	340.5	3658.0
	% Fixture	45.3	4.7	50.0
Street Side	Lumens	3317.5	340.5	3658.0
	% Fixture	45.3	4.7	50.0
Total	Lumens	6634.9	681.1	7316.0
	% Fixture	90.7	9.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	19.5	0.3
10°-20°	79.5	1.1
20°-30°	201.1	2.7
30°-40°	413.9	5.7
40°-50°	744.0	10.2
50°-60°	1189.4	16.3
60°-70°	1591.4	21.8
70°-80°	1507.9	20.6
80°-90°	888.2	12.1
90°-100°	383.7	5.2
100°-110°	163.4	2.2
110°-120°	75.2	1.0
120°-130°	36.0	0.5
130°-140°	16.1	0.2
140°-150°	5.5	0.1
150°-160°	1.1	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6634.9	90.7
0°-180°	7316.0	100.0



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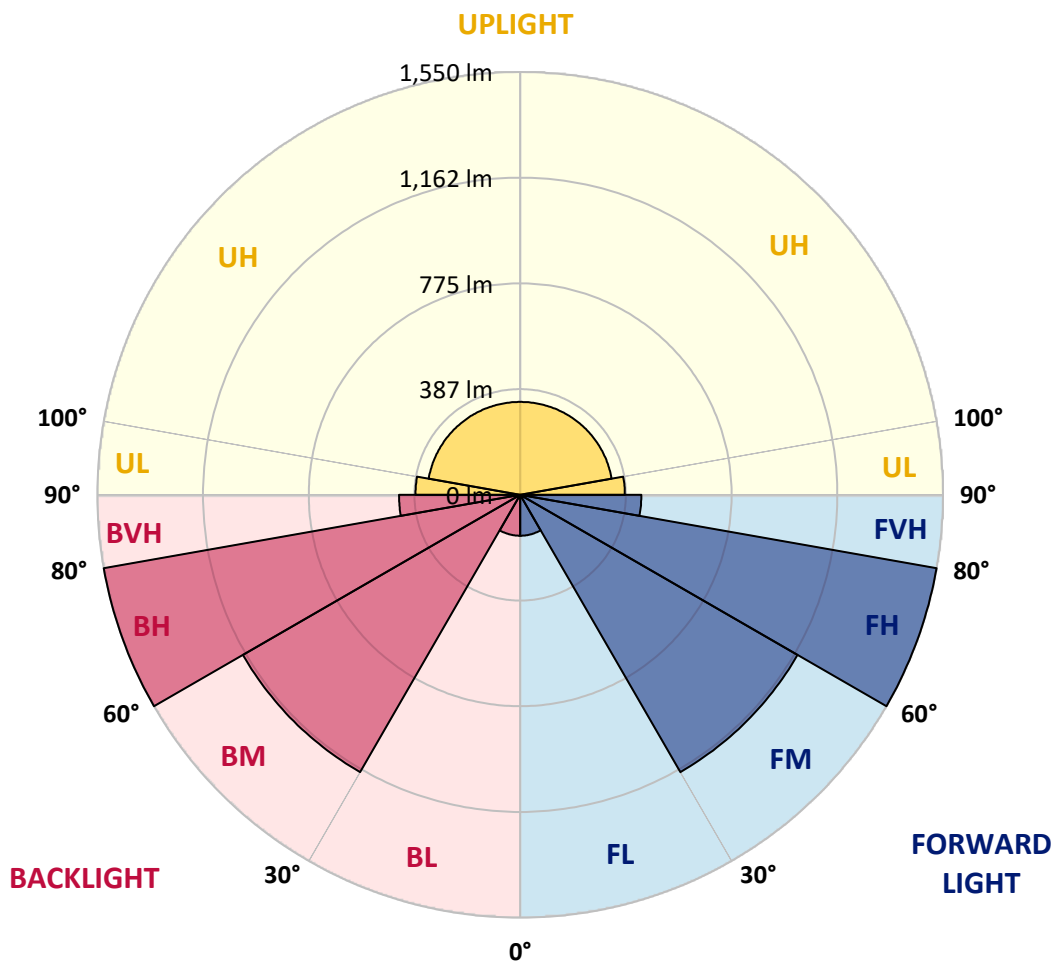
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	150.1	2.1			
FM (30°-60°)	1173.6	16.0			
FH (60°-80°)	1549.7	21.2			G1/1800
FVH (80°-90°)	444.1	6.1			G3/500
BL (0°-30°)	150.1	2.1	B1/500		
BM (30°-60°)	1173.6	16.0	B2/2500		
BH (60°-80°)	1549.7	21.2	B3/2500		G1/1800
BVH (80°-90°)	444.1	6.1			G3/500
UL (90°-100°)	383.7	5.2		U3/500	
UH (100°-180°)	340.5	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°	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6	187.6
2.5°	189.2	188.4	189.2	189.2	190.1	190.1	190.1	190.1	189.2	189.2	189.2
5°	195.8	195.8	195.8	195.8	196.6	196.6	196.6	195.8	195.8	195.8	195.8
7.5°	208.0	207.2	208.0	207.2	207.2	206.4	207.2	206.4	205.6	205.6	205.6
10°	223.5	223.5	223.5	222.7	222.7	222.7	221.1	221.1	221.1	221.1	221.1
12.5°	248.8	247.2	247.2	243.9	242.3	241.4	240.6	240.6	243.1	243.1	241.4
15°	278.2	277.3	277.3	273.3	270.0	265.1	265.9	269.2	269.2	270.8	270.0
17.5°	313.2	312.4	310.0	305.9	301.8	298.5	296.9	298.5	300.2	301.0	301.8
20°	351.6	350.7	347.5	343.4	339.3	337.7	332.0	334.4	336.1	337.7	336.9
22.5°	392.3	392.3	389.1	383.4	379.3	376.0	373.6	371.1	376.8	380.1	380.9
25°	442.1	440.5	434.8	428.2	423.3	420.9	417.6	417.6	421.7	428.2	429.9
27.5°	494.3	492.7	484.5	477.2	470.7	464.9	463.3	465.8	473.1	482.9	482.9
30°	552.2	549.0	541.6	530.2	519.6	513.9	515.5	519.6	530.2	541.6	540.8
32.5°	615.8	610.1	602.0	588.9	573.4	565.3	567.7	579.1	589.7	602.0	603.6
35°	683.5	682.7	669.7	652.6	633.0	619.9	624.8	640.3	656.6	673.8	676.2
37.5°	752.9	755.3	739.8	721.1	692.5	677.0	687.6	709.7	730.0	748.8	750.4
40°	837.7	835.3	819.8	792.0	757.8	740.6	749.6	780.6	806.7	830.4	832.0
42.5°	925.0	918.5	905.4	872.0	826.3	810.8	823.8	858.9	894.0	913.6	914.4
45°	1007.4	1009.8	995.1	955.2	904.6	880.9	899.7	941.3	982.1	1003.3	1005.7
47.5°	1111.0	1104.4	1091.4	1040.0	982.9	959.3	980.5	1031.0	1075.9	1095.5	1094.7
50°	1212.1	1208.0	1189.3	1135.4	1071.0	1042.5	1063.7	1125.7	1174.6	1191.7	1195.8
52.5°	1308.4	1306.7	1290.4	1230.9	1161.5	1126.5	1155.8	1220.3	1276.6	1293.7	1295.3
55°	1407.1	1402.2	1389.9	1327.9	1248.8	1209.7	1246.4	1318.2	1376.1	1392.4	1393.2
57.5°	1495.2	1498.4	1488.6	1423.4	1332.0	1294.5	1335.3	1415.2	1474.0	1489.5	1491.9
60°	1583.3	1584.1	1576.7	1513.1	1416.0	1373.6	1420.9	1504.1	1566.9	1580.8	1581.6
62.5°	1652.6	1654.2	1648.5	1579.2	1482.1	1441.3	1493.5	1580.0	1644.4	1654.2	1653.4
65°	1695.0	1699.9	1696.6	1633.8	1530.2	1492.7	1547.4	1637.9	1696.6	1702.3	1699.9
67.5°	1699.9	1705.6	1710.5	1653.4	1554.7	1514.7	1572.7	1659.1	1714.6	1717.0	1709.7
70°	1664.0	1669.7	1681.1	1633.8	1542.5	1509.0	1564.5	1642.0	1688.5	1685.2	1677.1
72.5°	1571.8	1584.1	1601.2	1569.4	1492.7	1465.0	1519.6	1581.6	1613.4	1601.2	1589.8
75°	1439.7	1451.9	1484.6	1466.6	1407.9	1392.4	1433.2	1479.7	1488.6	1470.7	1455.2
77.5°	1279.0	1294.5	1324.7	1338.5	1299.4	1283.9	1318.2	1342.6	1332.8	1293.7	1282.3
80°	1091.4	1115.9	1147.7	1169.7	1159.9	1155.0	1172.1	1169.7	1133.8	1102.8	1083.2
82.5°	920.1	925.0	973.9	1001.7	1004.9	1006.6	1011.5	982.1	940.5	898.9	880.9
85°	752.1	753.7	794.5	834.5	850.0	854.8	845.9	806.7	763.5	717.0	704.8
87.5°	602.8	605.2	641.1	681.9	708.8	712.1	695.0	656.6	602.8	561.2	550.6
90°	476.4	484.5	520.4	553.9	582.4	587.3	562.8	522.0	472.3	432.3	425.8
92.5°	380.9	385.0	417.6	448.6	475.5	476.4	459.2	417.6	373.6	337.7	329.5
95°	305.9	309.1	335.2	363.8	385.8	390.7	371.1	334.4	293.6	262.7	261.0
97.5°	243.9	248.0	268.4	298.5	314.9	318.1	305.1	270.8	233.3	205.6	205.6
100°	195.8	198.2	216.2	241.4	258.6	261.8	248.8	218.6	186.0	161.5	159.9
102.5°	159.1	160.7	175.4	198.2	213.7	217.0	205.6	181.1	149.3	129.7	128.9
105°	130.5	131.3	142.7	164.0	178.6	181.1	170.5	149.3	120.7	104.4	103.6
107.5°	106.9	107.7	116.6	136.2	150.1	152.5	143.6	122.4	97.9	86.5	84.8
110°	89.7	90.5	97.1	112.6	126.4	129.7	120.7	102.0	80.8	71.0	71.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	75.9	76.7	81.6	94.6	106.9	110.9	102.0	84.8	67.7	60.4	59.5
115°	64.4	65.3	68.5	79.9	89.7	93.0	86.5	71.0	57.1	51.4	51.4
117.5°	56.3	57.1	58.7	67.7	76.7	79.1	72.6	59.5	48.1	44.9	44.9
120°	49.8	49.8	50.6	57.1	64.4	66.9	61.2	50.6	41.6	39.2	39.2
122.5°	43.2	43.2	44.0	48.9	54.7	56.3	51.4	42.4	35.9	35.1	34.3
125°	38.3	38.3	38.3	41.6	46.5	47.3	43.2	35.9	31.8	31.0	31.0
127.5°	33.4	33.4	33.4	35.1	38.3	39.2	35.9	30.2	27.7	26.9	26.9
130°	29.4	29.4	29.4	30.2	31.8	32.6	29.4	26.1	24.5	24.5	24.5
132.5°	26.1	26.1	25.3	25.3	26.1	26.1	24.5	22.0	21.2	21.2	21.2
135°	22.8	22.8	22.0	21.2	21.2	20.4	18.8	17.9	18.8	18.8	18.8
137.5°	19.6	19.6	18.8	17.9	17.1	16.3	15.5	14.7	15.5	16.3	16.3
140°	16.3	16.3	15.5	13.9	13.1	12.2	11.4	12.2	13.1	13.9	13.9
142.5°	13.1	13.1	13.1	11.4	9.8	9.0	9.0	9.8	10.6	11.4	11.4
145°	10.6	10.6	9.8	9.0	7.3	6.5	6.5	7.3	9.0	9.0	9.0
147.5°	8.2	8.2	7.3	6.5	4.9	4.1	4.9	5.7	6.5	7.3	7.3
150°	5.7	5.7	5.7	4.9	3.3	3.3	3.3	4.1	4.9	4.9	4.9
152.5°	3.3	3.3	3.3	3.3	2.4	1.6	2.4	3.3	3.3	3.3	3.3
155°	2.4	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4	2.4	2.4
157.5°	0.8	0.8	0.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.8	0.8	1.6	1.6	1.6	1.6	0.8	0.8	0.8
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)