

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: P416684

Luminaire Tested: **LXF.LXT-PA1-80-730-U-5WQ-A**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P416684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-6)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-80-730-U-5WQ-A
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND REFRACTOR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8356 lumens
Efficiency: N/A
Efficacy: 100.7 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

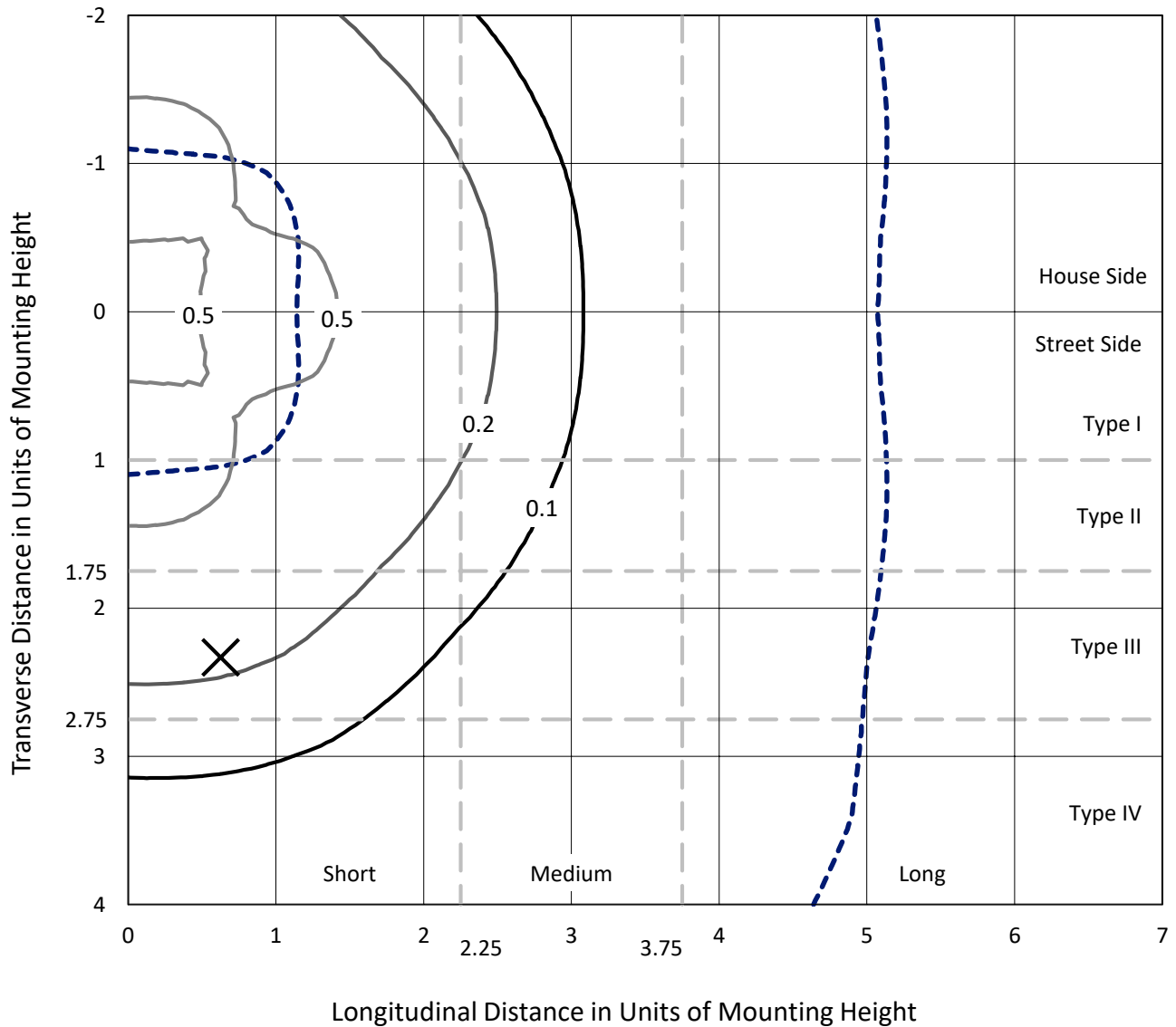


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

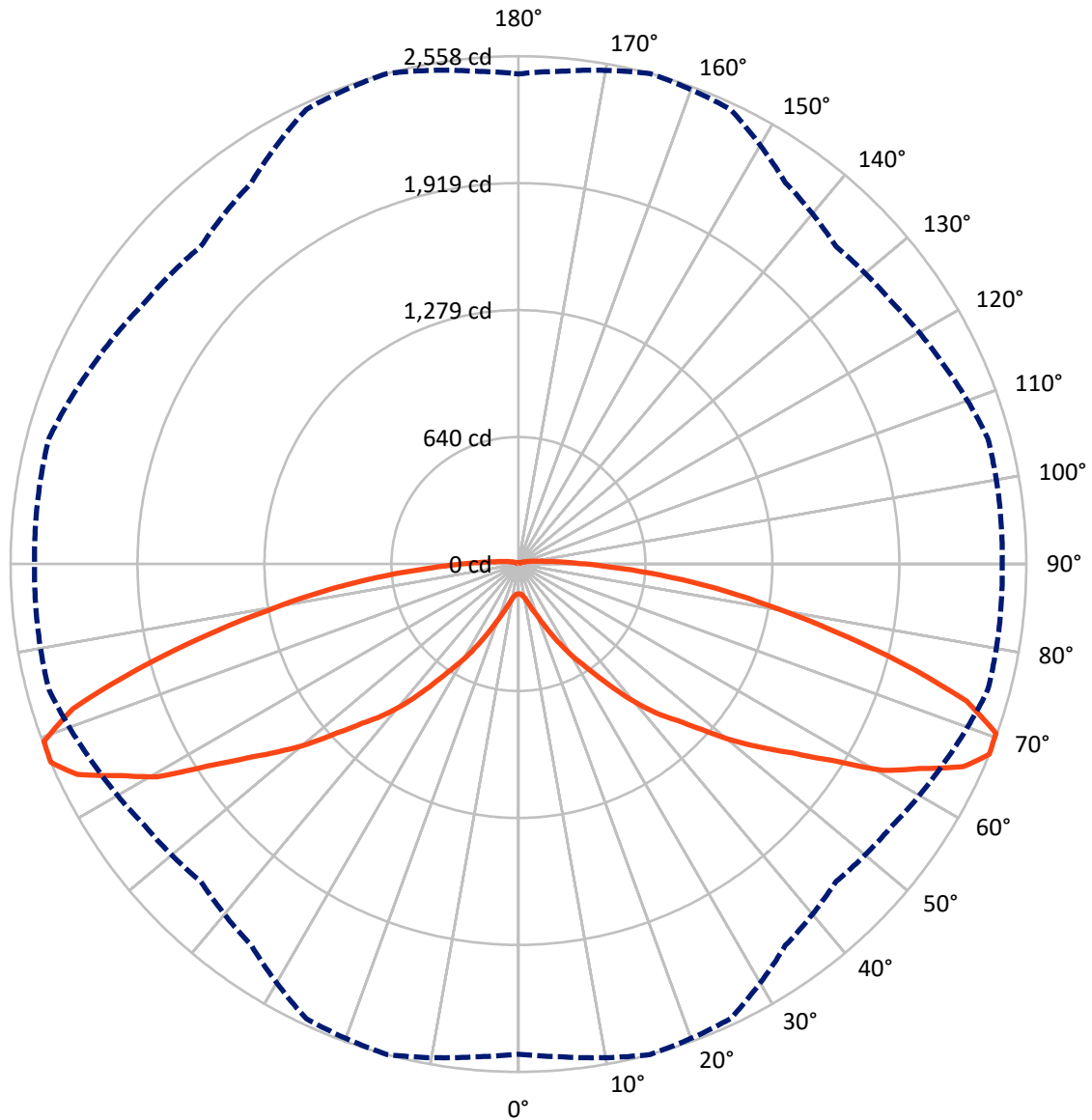


Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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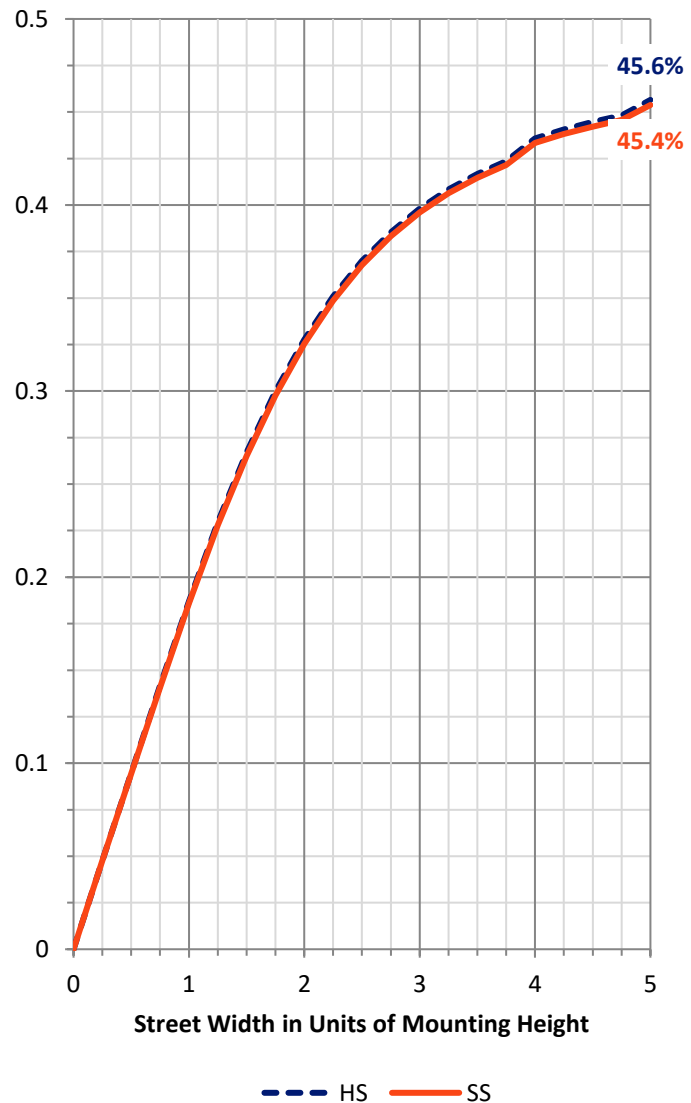
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4013.1	164.9	4178.0
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	4013.1	164.9	4178.0
	% Fixture	48.0	2.0	50.0
Total	Lumens	8026.2	329.8	8356.0
	% Fixture	96.1	3.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.2	0.2
10°-20°	62.4	0.7
20°-30°	179.9	2.2
30°-40°	423.6	5.1
40°-50°	798.6	9.6
50°-60°	1424.3	17.0
60°-70°	2251.7	26.9
70°-80°	1983.8	23.7
80°-90°	886.7	10.6
90°-100°	220.2	2.6
100°-110°	60.7	0.7
110°-120°	24.3	0.3
120°-130°	12.9	0.2
130°-140°	7.5	0.1
140°-150°	3.2	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8026.2	96.1
0°-180°	8356.0	100.0



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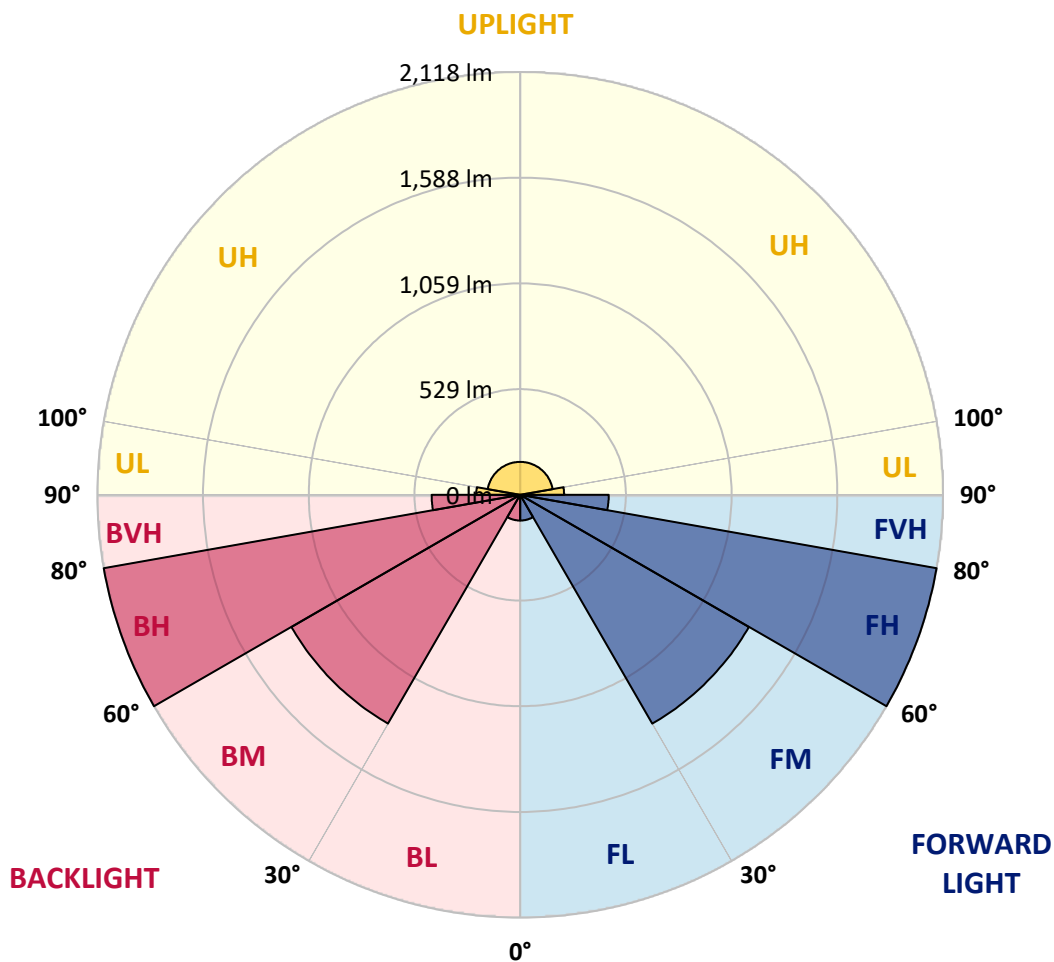
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	128.8	1.5			
FM (30°-60°)	1323.2	15.8			
FH (60°-80°)	2117.8	25.3			G2/5000
FVH (80°-90°)	443.4	5.3			G3/500
BL (0°-30°)	128.8	1.5	B1/500		
BM (30°-60°)	1323.2	15.8	B2/2500		
BH (60°-80°)	2117.8	25.3	B3/2500		G2/5000
BVH (80°-90°)	443.4	5.3			G3/500
UL (90°-100°)	220.2	2.6		U3/500	
UH (100°-180°)	164.9	2.0		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°	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3	150.3
2.5°	150.3	150.3	151.2	151.2	152.1	153.0	152.1	151.2	150.3	149.4	149.4
5°	154.8	154.8	154.8	154.8	155.7	155.7	154.8	153.0	152.1	151.2	151.2
7.5°	162.1	162.1	162.1	162.1	162.1	161.2	159.4	157.6	156.7	155.7	155.7
10°	174.0	174.0	172.1	172.1	171.2	170.3	168.5	166.7	164.8	165.8	165.8
12.5°	194.0	194.9	192.2	187.6	184.0	182.2	181.2	181.2	184.0	184.0	184.9
15°	223.1	223.1	218.6	212.2	204.9	199.5	201.3	205.8	210.4	213.1	213.1
17.5°	255.0	255.0	250.5	242.3	232.2	229.5	228.6	233.2	243.2	246.8	247.7
20°	295.1	295.1	286.9	275.1	265.9	262.3	262.3	269.6	280.5	288.7	287.8
22.5°	349.7	348.8	337.0	316.9	305.1	299.6	298.7	308.8	327.9	340.6	344.3
25°	415.3	414.4	398.9	372.5	354.3	339.7	343.4	360.7	389.8	409.8	409.8
27.5°	490.0	486.4	466.3	437.2	409.8	390.7	396.2	420.8	457.2	484.5	485.4
30°	562.9	562.9	541.0	506.4	470.0	446.3	452.7	487.3	531.0	573.8	574.7
32.5°	640.3	639.4	612.0	577.4	532.8	506.4	516.4	559.2	621.1	670.3	679.4
35°	739.5	740.5	702.2	654.8	598.4	569.2	582.9	638.5	712.2	771.4	776.9
37.5°	846.1	851.6	809.7	748.7	673.1	637.5	657.6	722.2	807.9	869.8	869.8
40°	960.9	963.6	925.3	847.9	756.9	710.4	736.8	806.0	871.6	924.4	927.2
42.5°	1058.3	1061.0	1031.0	955.4	853.4	797.8	813.3	866.1	928.1	987.3	992.7
45°	1134.8	1143.9	1125.7	1061.0	957.2	889.8	888.0	941.7	1016.4	1078.4	1085.6
47.5°	1273.3	1277.8	1245.9	1169.4	1063.8	990.0	982.7	1036.5	1133.9	1200.4	1205.0
50°	1395.3	1409.0	1397.1	1315.2	1189.5	1100.2	1101.1	1172.2	1277.8	1345.2	1351.6
52.5°	1532.8	1539.2	1535.6	1465.4	1343.4	1237.7	1249.6	1329.7	1443.6	1485.5	1492.8
55°	1658.5	1668.5	1681.3	1629.4	1508.2	1415.3	1426.3	1511.9	1588.4	1628.5	1632.1
57.5°	1858.0	1868.0	1867.1	1790.6	1686.8	1596.6	1614.8	1682.2	1782.4	1850.7	1862.5
60°	2074.7	2089.3	2112.1	2012.8	1857.1	1794.2	1817.0	1914.4	2028.3	2038.3	2051.1
62.5°	2219.6	2226.8	2269.6	2236.9	2055.6	1980.0	2040.1	2123.0	2182.2	2191.3	2187.7
65°	2409.0	2432.7	2462.7	2387.1	2241.4	2137.6	2206.8	2268.7	2375.3	2384.4	2382.6
67.5°	2469.1	2491.9	2558.4	2527.4	2345.2	2262.4	2297.9	2366.2	2448.2	2440.9	2437.2
70°	2473.7	2495.5	2552.0	2535.6	2368.9	2254.2	2290.6	2317.0	2392.6	2393.5	2383.5
72.5°	2225.9	2264.2	2360.7	2389.9	2244.1	2126.7	2129.4	2128.5	2133.9	2073.8	2050.1
75°	1875.3	1902.6	1997.3	2067.5	1992.8	1891.7	1889.9	1813.3	1797.0	1751.4	1735.0
77.5°	1501.9	1535.6	1626.6	1703.1	1676.7	1622.1	1593.9	1507.3	1483.6	1431.7	1438.1
80°	1167.6	1194.0	1284.2	1383.5	1390.7	1352.5	1321.5	1250.5	1204.0	1160.3	1141.2
82.5°	898.9	921.7	999.1	1106.6	1151.2	1146.7	1102.9	1022.8	980.9	939.0	914.4
85°	621.1	641.2	717.7	847.9	928.1	956.3	907.1	806.0	731.4	672.1	658.5
87.5°	400.7	409.8	470.9	583.8	704.0	770.5	718.6	592.0	498.2	450.8	435.3
90°	250.5	264.1	307.8	378.0	495.5	580.2	527.3	398.9	331.5	283.3	273.2
92.5°	174.0	172.1	202.2	251.4	337.9	407.1	361.6	264.1	209.5	177.6	171.2
95°	114.8	119.3	135.7	166.7	228.6	271.4	238.6	175.8	137.5	114.8	112.0
97.5°	85.6	86.5	99.3	118.4	155.7	178.5	158.5	122.0	97.5	82.9	82.0
100°	67.4	68.3	77.4	88.3	109.3	123.9	111.1	92.0	75.6	64.7	64.7
102.5°	52.8	53.7	60.1	69.2	82.9	92.0	84.7	71.0	59.2	51.0	50.1
105°	41.9	41.9	47.4	54.6	64.7	71.0	66.5	55.6	45.5	40.1	40.1
107.5°	32.8	33.7	37.3	42.8	51.9	58.3	52.8	42.8	35.5	31.0	31.0
110°	26.4	26.4	29.1	34.6	41.9	47.4	42.8	34.6	28.2	25.5	25.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	21.9	21.9	23.7	28.2	34.6	39.2	34.6	28.2	22.8	20.9	20.9
115°	18.2	18.2	20.0	22.8	29.1	31.9	29.1	22.8	19.1	17.3	17.3
117.5°	16.4	16.4	17.3	20.0	24.6	26.4	24.6	19.1	16.4	15.5	15.5
120°	14.6	14.6	15.5	17.3	20.9	22.8	20.9	17.3	14.6	13.7	13.7
122.5°	13.7	13.7	13.7	15.5	19.1	20.0	18.2	15.5	12.8	12.8	12.8
125°	12.8	12.8	12.8	13.7	16.4	17.3	16.4	13.7	11.8	11.8	11.8
127.5°	11.8	11.8	11.8	12.8	14.6	15.5	14.6	12.8	10.9	10.9	10.9
130°	11.8	11.8	10.9	11.8	12.8	13.7	12.8	11.8	10.9	10.0	10.9
132.5°	10.9	10.9	10.9	10.9	11.8	11.8	11.8	10.9	10.0	10.0	10.0
135°	10.0	10.0	9.1	9.1	10.0	10.9	10.0	9.1	9.1	9.1	9.1
137.5°	9.1	8.2	8.2	8.2	9.1	9.1	9.1	8.2	8.2	8.2	8.2
140°	7.3	7.3	7.3	7.3	7.3	8.2	7.3	6.4	6.4	7.3	7.3
142.5°	6.4	6.4	6.4	5.5	6.4	6.4	6.4	5.5	5.5	5.5	5.5
145°	5.5	5.5	5.5	4.6	5.5	5.5	5.5	4.6	4.6	4.6	4.6
147.5°	3.6	4.6	3.6	3.6	4.6	4.6	3.6	3.6	3.6	3.6	3.6
150°	2.7	2.7	2.7	2.7	3.6	3.6	2.7	2.7	2.7	2.7	2.7
152.5°	1.8	1.8	2.7	2.7	2.7	2.7	2.7	2.7	1.8	1.8	1.8
155°	1.8	1.8	1.8	1.8	2.7	2.7	1.8	1.8	1.8	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	1.8	2.7	1.8	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.9	1.8	2.7	1.8	0.9	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)