

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: P255070

Luminaire Tested: **LXF.LXT-AF24-60-D-U-5WQ-TL**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P255070
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-33)
Test Lab: INNOVATION CENTER(G2)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-AF24-60-D-U-5WQ-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 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: 6816.9 lumens
Efficiency: N/A
Efficacy: 106.5 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

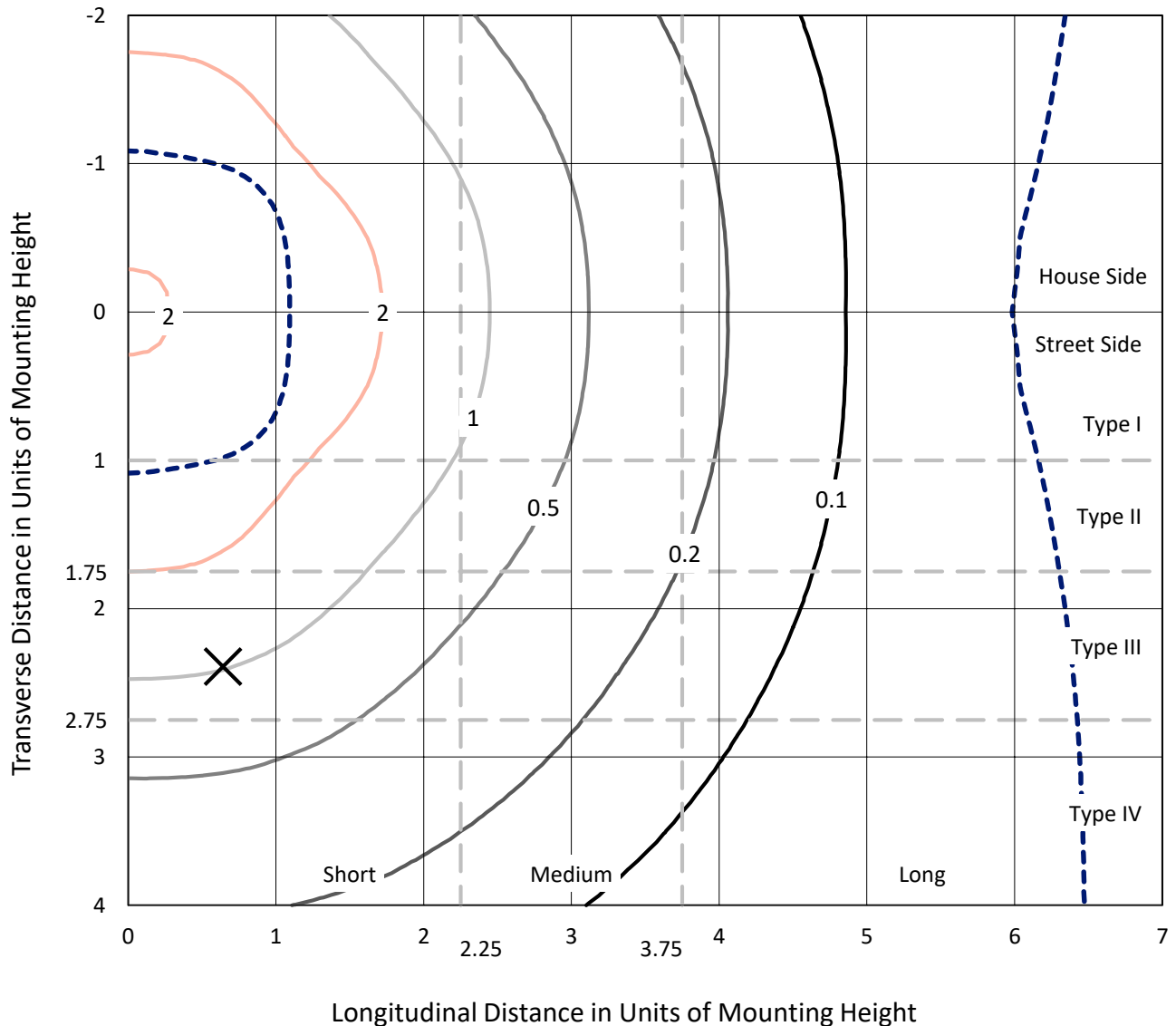


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

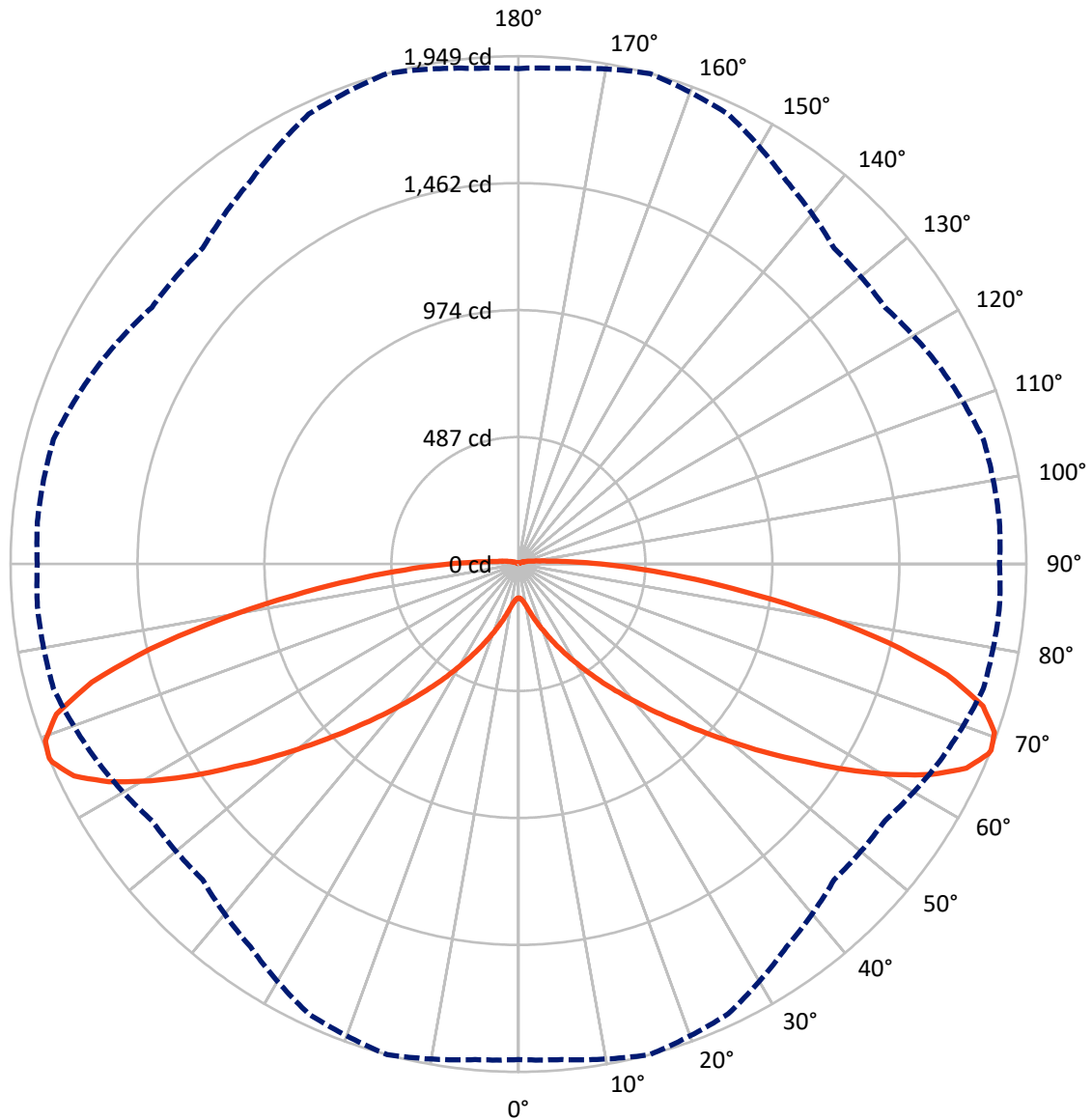


Based on 10 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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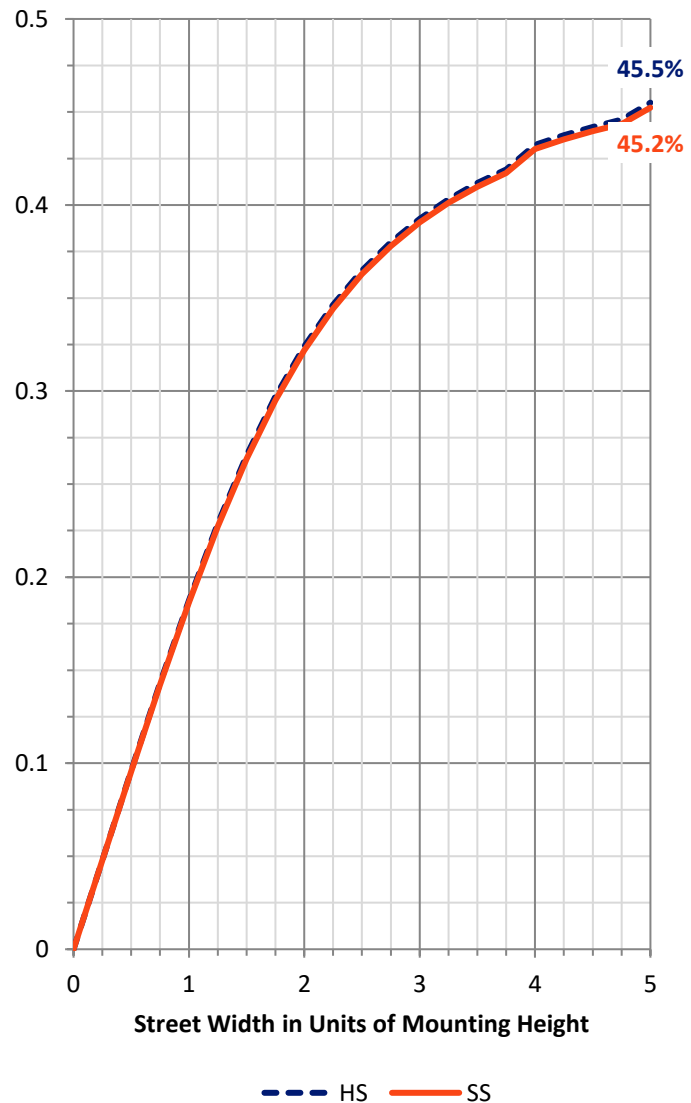
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3272.1	136.4	3408.5
	% Fixture	48.0	2.0	50.0
Street Side	Lumens	3272.1	136.4	3408.5
	% Fixture	48.0	2.0	50.0
Total	Lumens	6544.1	272.8	6816.9
	% Fixture	96.0	4.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	14.0	0.2
10°-20°	62.3	0.9
20°-30°	164.3	2.4
30°-40°	344.8	5.1
40°-50°	647.3	9.5
50°-60°	1143.8	16.8
60°-70°	1725.1	25.3
70°-80°	1672.0	24.5
80°-90°	770.6	11.3
90°-100°	183.3	2.7
100°-110°	51.2	0.8
110°-120°	21.5	0.3
120°-130°	9.7	0.1
130°-140°	4.6	0.1
140°-150°	1.9	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6544.1	96.0
0°-180°	6816.9	100.0

Coefficient of Utilization



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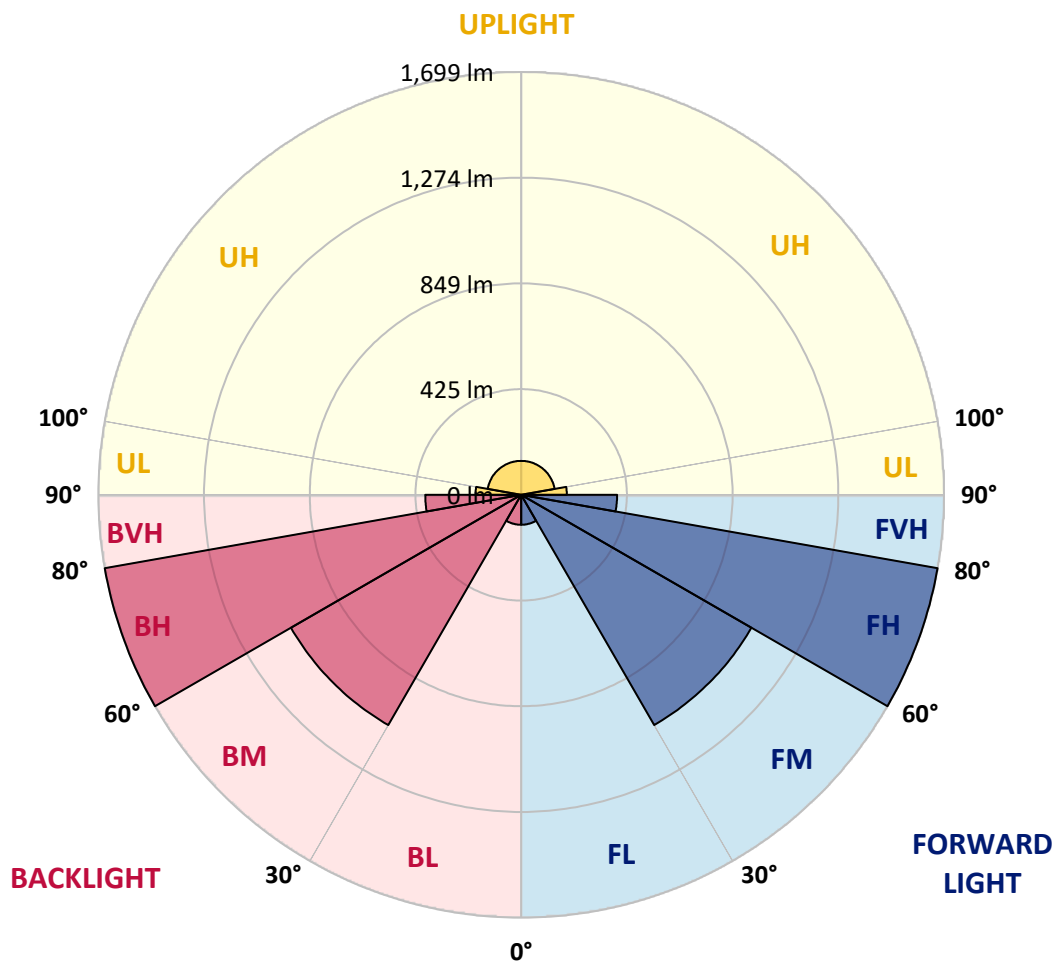
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	120.3	1.8			
FM (30°-60°)	1067.9	15.7			
FH (60°-80°)	1698.5	24.9			G1/1800
FVH (80°-90°)	385.3	5.7			G3/500
BL (0°-30°)	120.3	1.8	B1/500		
BM (30°-60°)	1067.9	15.7	B2/2500		
BH (60°-80°)	1698.5	24.9	B3/2500		G1/1800
BVH (80°-90°)	385.3	5.7			G3/500
UL (90°-100°)	183.3	2.7		U3/500	
UH (100°-180°)	136.4	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°	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0	130.0
2.5°	132.3	132.3	132.3	132.3	132.3	133.0	132.3	132.3	132.3	132.3	132.3
5°	137.6	137.6	137.6	138.4	138.4	138.4	138.4	138.4	138.4	139.1	138.4
7.5°	147.5	147.5	147.5	147.5	147.5	147.5	148.3	149.0	149.0	149.9	149.9
10°	162.9	162.9	162.0	162.0	162.0	162.9	162.9	164.4	165.1	167.5	166.6
12.5°	186.6	186.6	185.1	183.5	182.7	182.0	183.5	186.6	188.8	192.6	191.9
15°	213.3	213.3	211.8	209.5	208.7	208.0	208.7	212.6	216.4	220.1	219.4
17.5°	243.2	242.3	240.8	237.7	237.7	237.0	237.0	240.8	245.4	250.7	250.7
20°	276.0	274.5	272.2	268.3	268.3	267.6	268.3	271.4	278.2	284.4	284.4
22.5°	313.4	311.9	308.8	305.0	302.8	301.3	302.0	306.6	315.0	323.4	324.2
25°	355.5	353.2	350.2	345.6	339.4	336.3	337.9	345.6	356.3	366.9	364.7
27.5°	399.9	399.1	394.4	387.6	378.4	373.9	377.7	386.9	399.9	411.3	412.0
30°	451.8	449.6	443.4	432.7	422.8	413.6	417.5	429.6	447.2	462.6	463.3
32.5°	506.2	505.3	498.5	483.1	466.4	458.0	461.8	479.4	500.0	515.3	518.3
35°	568.8	567.3	559.7	539.7	518.3	506.9	510.7	532.1	557.3	576.4	578.0
37.5°	637.6	633.8	624.6	600.9	573.4	559.7	563.4	587.9	618.5	637.6	642.2
40°	708.7	708.0	697.2	669.7	636.1	616.9	623.1	650.6	685.8	707.2	710.2
42.5°	791.3	789.7	779.1	747.0	705.6	683.5	690.4	723.2	761.5	782.9	786.6
45°	878.4	879.9	865.4	834.1	785.9	760.7	765.3	802.7	844.8	871.6	874.6
47.5°	979.4	977.0	968.6	929.7	874.6	845.6	850.9	892.2	941.9	967.1	968.6
50°	1085.7	1083.3	1080.2	1039.7	976.3	946.4	949.5	994.6	1045.1	1071.1	1078.0
52.5°	1204.1	1204.9	1206.5	1162.1	1091.0	1050.5	1057.3	1108.6	1162.1	1185.8	1191.9
55°	1335.7	1336.4	1339.5	1294.3	1214.0	1168.9	1177.4	1234.0	1291.3	1315.0	1317.3
57.5°	1481.6	1477.9	1490.0	1436.5	1348.7	1296.6	1305.8	1364.7	1425.9	1448.8	1453.4
60°	1627.7	1622.3	1639.2	1585.7	1484.7	1428.1	1432.7	1501.5	1567.3	1581.8	1591.7
62.5°	1751.5	1756.9	1779.0	1724.8	1613.2	1544.3	1552.0	1621.6	1694.9	1709.5	1711.8
65°	1848.6	1856.2	1889.2	1832.6	1721.7	1639.2	1649.8	1721.7	1797.4	1804.3	1802.7
67.5°	1899.8	1906.7	1944.2	1897.6	1785.2	1704.1	1710.3	1779.8	1844.1	1850.9	1844.1
68°	1901.4	1909.0	1948.8	1904.4	1793.5	1713.3	1717.1	1785.2	1847.1	1853.2	1846.3
70°	1878.4	1896.8	1938.1	1905.2	1801.2	1726.3	1727.0	1782.1	1841.0	1836.4	1830.3
72.5°	1789.8	1805.8	1863.9	1850.1	1763.0	1698.8	1689.6	1727.9	1762.2	1749.2	1745.5
75°	1609.3	1624.7	1699.5	1714.9	1665.9	1619.2	1597.1	1609.3	1608.6	1584.9	1575.7
77.5°	1347.8	1369.2	1451.9	1508.4	1492.4	1473.3	1435.8	1417.4	1383.0	1334.8	1319.6
80°	1047.4	1068.8	1158.3	1237.1	1269.1	1271.4	1237.1	1175.9	1107.0	1041.3	1028.3
82.5°	776.7	798.9	873.8	971.7	1013.7	1038.2	1000.0	921.3	844.0	771.4	758.4
85°	542.8	558.8	634.5	714.0	775.2	802.0	760.0	692.6	614.7	552.0	539.7
87.5°	370.0	379.2	438.8	518.3	575.7	601.7	565.8	500.0	428.1	370.8	357.8
90°	234.7	240.8	285.2	351.7	409.8	432.7	404.5	347.1	281.3	234.7	226.3
92.5°	143.7	146.8	179.6	233.1	282.1	308.1	282.8	231.7	178.1	144.5	139.9
95°	94.0	96.4	115.5	149.9	190.4	209.5	192.6	154.5	118.5	96.4	93.3
97.5°	69.6	71.1	82.6	101.0	125.4	139.9	128.5	105.5	84.9	71.1	68.8
100°	54.3	55.0	62.7	74.2	87.9	96.4	90.2	77.2	64.2	54.3	53.5
102.5°	43.6	43.6	50.4	58.8	67.3	71.9	68.0	61.2	50.4	42.9	42.0
105°	34.4	35.2	40.5	48.2	54.3	57.4	55.0	49.7	40.5	33.7	32.8
107.5°	27.5	27.5	32.8	39.8	45.8	48.2	45.8	41.3	32.1	26.8	26.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	21.4	22.2	26.0	32.8	38.3	40.5	38.3	33.7	26.0	21.4	20.7
112.5°	17.6	17.6	20.7	26.8	32.1	33.7	32.1	26.8	20.7	16.8	16.8
115°	14.5	14.5	16.8	22.2	26.8	28.3	26.8	22.2	16.8	13.8	13.8
117.5°	12.3	13.0	14.5	18.3	22.2	22.9	22.2	18.3	13.8	12.3	11.5
120°	10.7	11.5	12.3	15.2	18.3	19.1	17.6	14.5	11.5	10.7	9.9
122.5°	9.9	9.9	10.7	12.3	15.2	16.1	14.5	12.3	9.9	9.2	9.2
125°	9.2	9.2	9.2	10.7	12.3	13.0	12.3	9.9	8.4	8.4	8.4
127.5°	8.4	8.4	8.4	9.2	10.7	10.7	9.9	8.4	7.7	7.7	7.7
130°	7.7	7.7	7.7	7.7	8.4	9.2	8.4	7.7	6.9	6.9	6.9
132.5°	6.9	6.9	6.9	6.9	6.9	7.7	6.9	6.1	6.1	6.1	6.1
135°	6.1	6.1	6.1	6.1	6.1	6.1	6.1	5.3	5.3	5.3	5.3
137.5°	5.3	5.3	5.3	5.3	5.3	5.3	4.6	4.6	4.6	5.3	5.3
140°	4.6	4.6	4.6	4.6	3.8	3.8	3.8	3.8	4.6	4.6	4.6
142.5°	4.6	4.6	3.8	3.8	3.1	3.1	3.1	3.1	3.8	3.8	3.8
145°	3.8	3.8	3.1	3.1	3.1	2.3	2.3	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	2.3	2.3	2.3	1.5	1.5	1.5	1.5	1.5	1.5	2.3	2.3
152.5°	1.5	1.5	1.5	1.5	1.5	0.7	1.5	1.5	1.5	1.5	1.5
155°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
157.5°	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7	0.7
160°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.7	0.7	0.7	0.7	0.7	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)