

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: P266170

Luminaire Tested: **LXF.LXT-AF24-80-D-U-5WQ-CL-7027**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P266170
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1806-803-23)
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-CL-7027
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7073.4 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 1.17' x H: 0')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G2

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

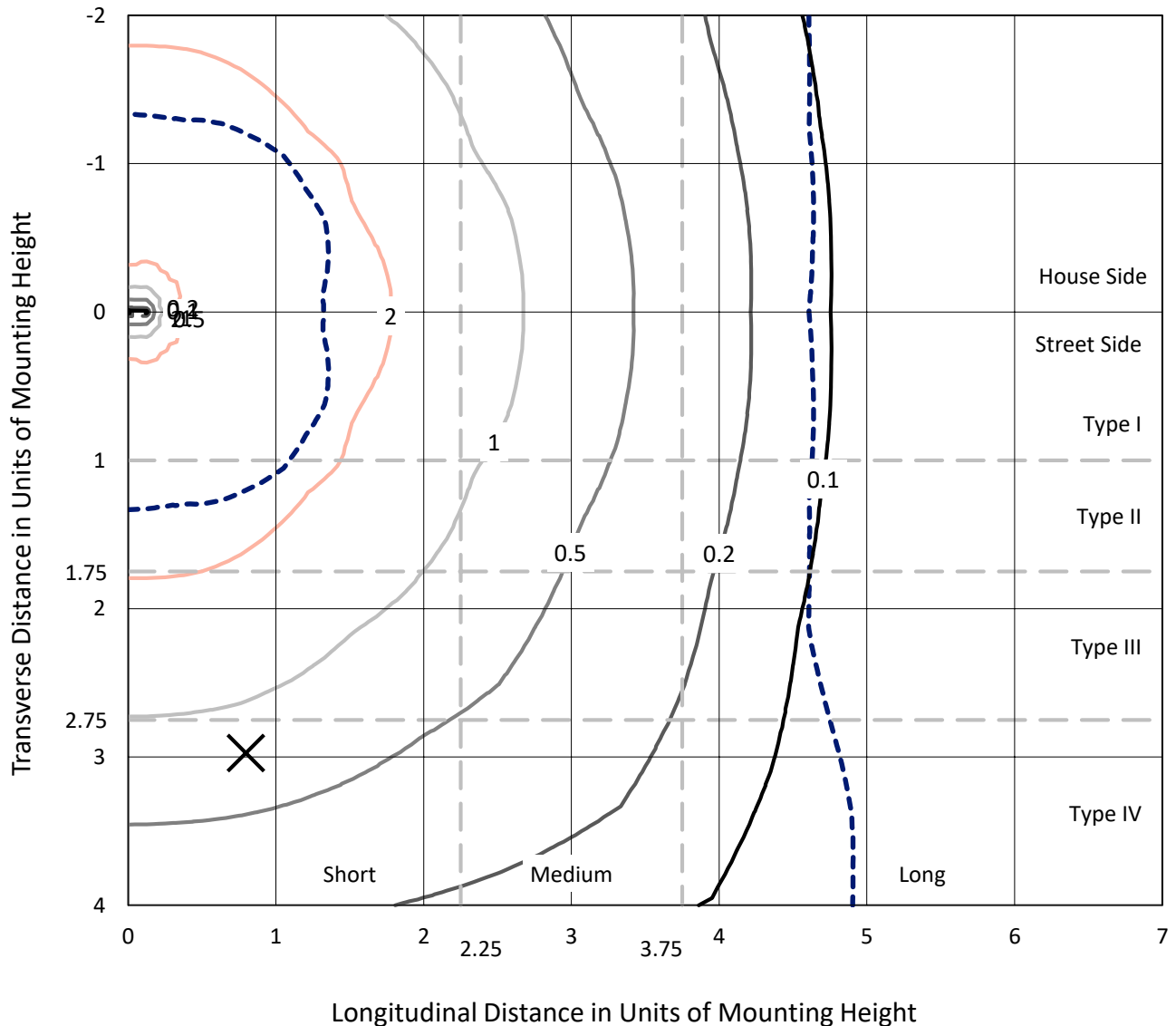


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

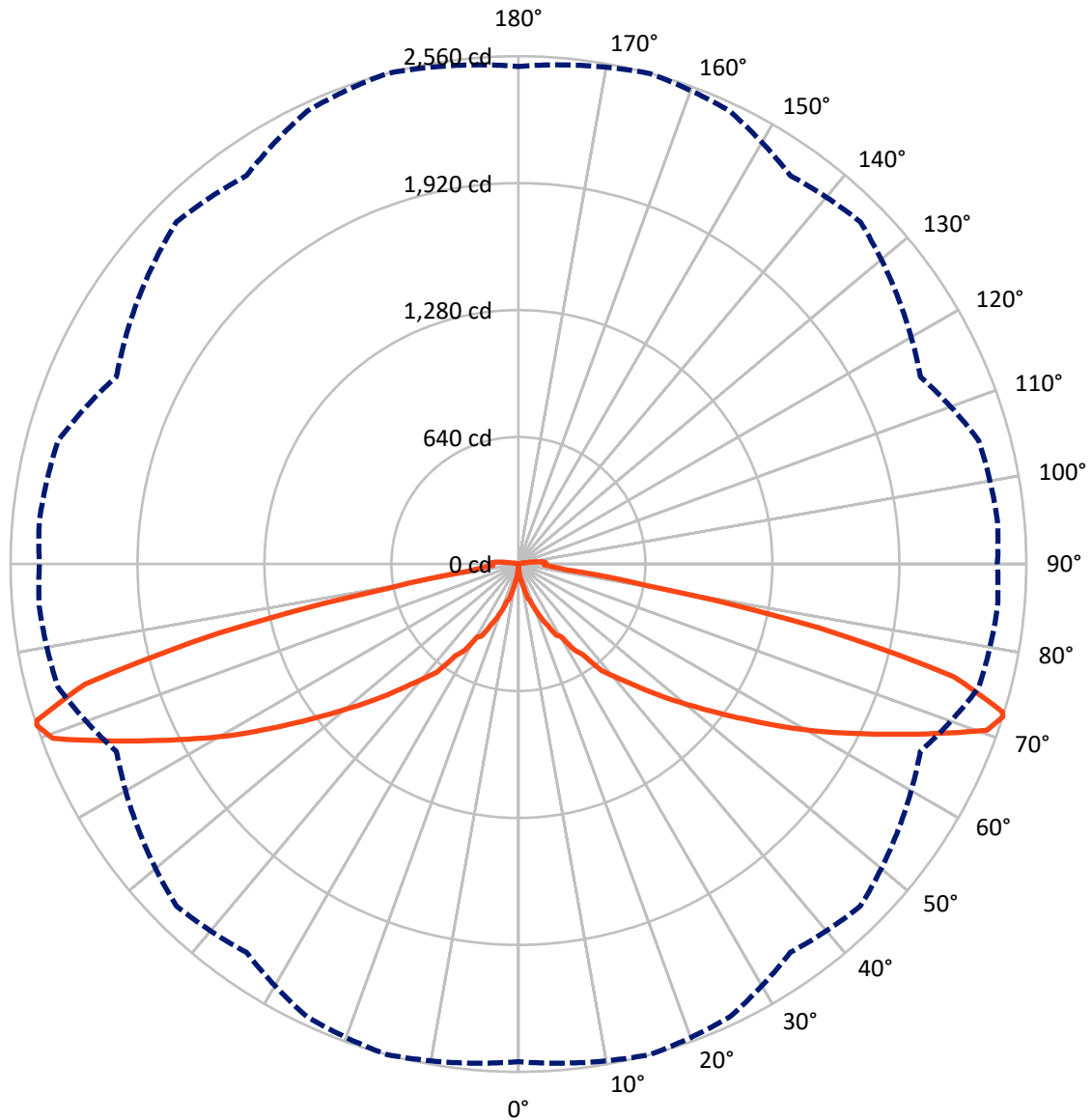


Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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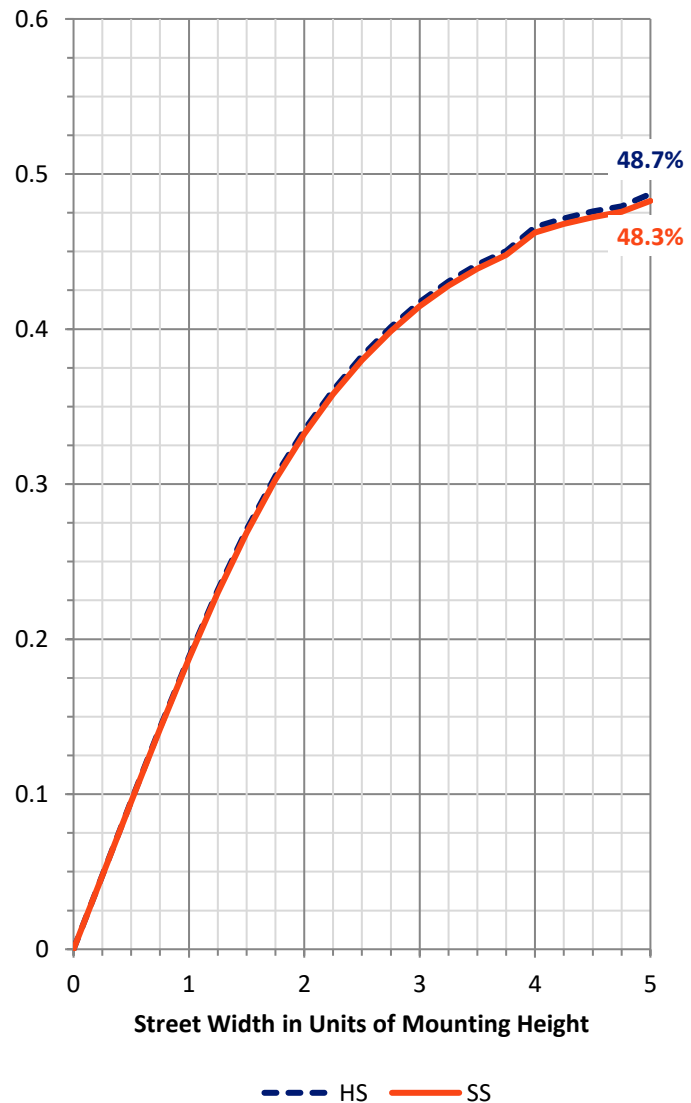
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3457.0	79.7	3536.7
	% Fixture	48.9	1.1	50.0
Street Side	Lumens	3457.0	79.7	3536.7
	% Fixture	48.9	1.1	50.0
Total	Lumens	6914.0	159.4	7073.4
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	3.1	0.0
10°-20°	42.6	0.6
20°-30°	160.1	2.3
30°-40°	362.0	5.1
40°-50°	657.6	9.3
50°-60°	1179.2	16.7
60°-70°	1993.0	28.2
70°-80°	2141.1	30.3
80°-90°	375.4	5.3
90°-100°	130.5	1.8
100°-110°	17.3	0.2
110°-120°	4.9	0.1
120°-130°	3.1	0.0
130°-140°	1.8	0.0
140°-150°	1.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6914.0	97.7
0°-180°	7073.4	100.0



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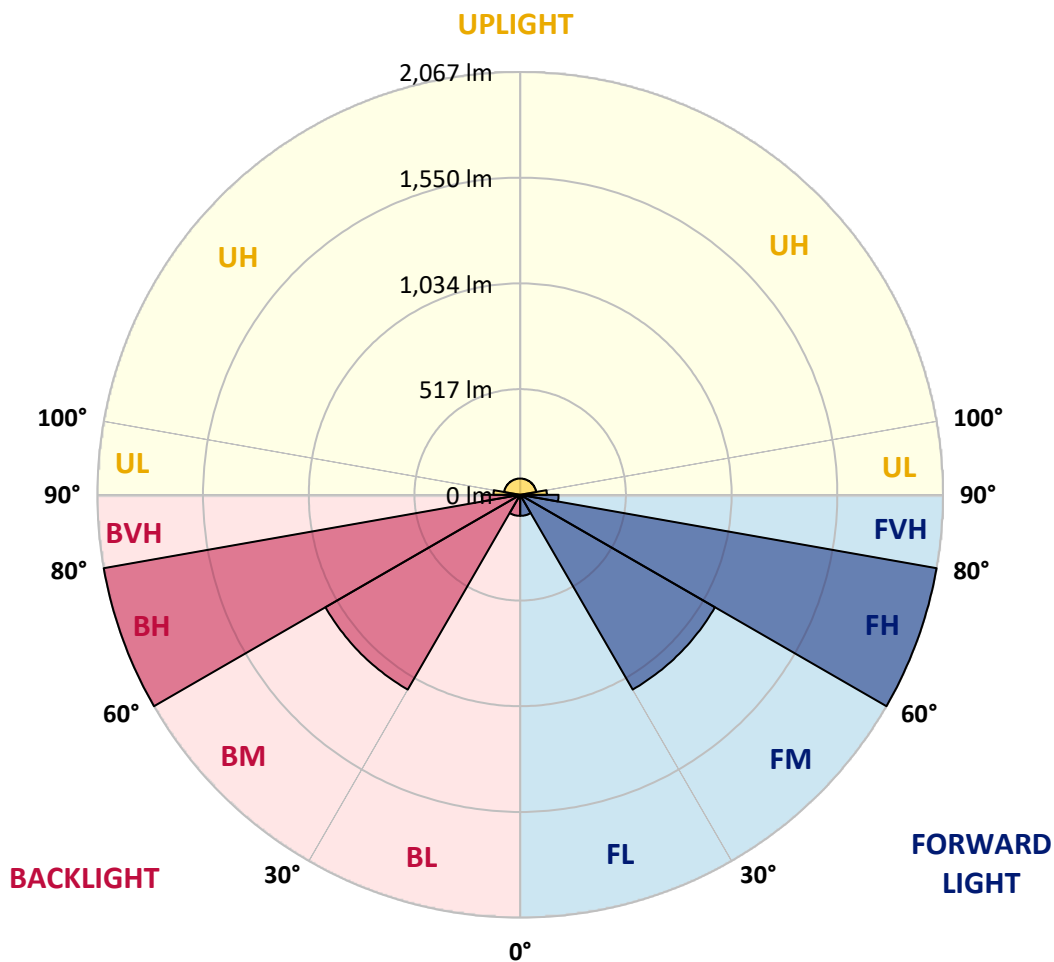
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	102.9	1.5			
FM (30°-60°)	1099.4	15.5			
FH (60°-80°)	2067.1	29.2			G2/5000
FVH (80°-90°)	187.7	2.7			G2/225
BL (0°-30°)	102.9	1.5	B0/110		
BM (30°-60°)	1099.4	15.5	B2/2500		
BH (60°-80°)	2067.1	29.2	B3/2500		G2/5000
BVH (80°-90°)	187.7	2.7			G2/225
UL (90°-100°)	130.5	1.8		U3/500	
UH (100°-180°)	79.7	1.1		U3/500	

BUG Rating: B3-U3-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
2.5°	6.4	6.4	6.4	5.6	5.6	5.6	5.6	4.9	5.6	5.6	5.6
5°	35.8	37.4	33.4	32.6	15.1	11.9	7.1	5.6	5.6	5.6	5.6
7.5°	80.4	80.4	78.1	70.1	51.7	42.9	23.9	8.8	6.4	5.6	5.6
10°	92.3	90.6	86.7	86.7	83.5	76.4	45.4	21.5	9.5	8.8	8.8
12.5°	140.0	140.0	128.2	117.8	93.2	84.4	71.7	50.9	52.6	84.4	96.3
15°	187.0	187.0	179.9	167.2	132.9	98.8	128.9	151.3	128.2	137.7	138.5
17.5°	207.7	206.9	197.4	186.3	171.9	189.5	179.1	173.6	151.3	152.1	155.1
20°	288.1	284.9	249.1	228.3	200.5	242.7	213.3	199.8	255.5	274.6	281.0
22.5°	307.9	305.7	296.1	276.9	289.8	260.2	262.7	289.0	293.7	303.3	305.7
25°	364.5	363.8	341.4	307.2	333.5	297.7	338.2	308.7	327.9	382.0	402.7
27.5°	416.3	414.7	406.8	367.6	351.7	386.0	360.5	401.2	443.4	455.3	464.9
30°	466.4	464.1	423.5	429.0	392.4	409.1	439.4	446.5	462.4	493.4	495.1
32.5°	546.8	541.1	514.1	477.4	467.2	437.7	472.0	473.5	584.2	641.5	655.0
35°	627.1	621.5	561.1	544.5	508.6	519.7	505.3	577.8	623.2	677.3	686.8
37.5°	732.2	726.6	681.3	602.6	567.5	551.6	588.2	617.7	656.7	729.1	728.3
40°	789.5	787.2	745.8	683.7	624.9	606.4	625.6	651.8	712.4	777.7	784.8
42.5°	858.1	852.4	819.8	747.3	698.1	670.1	666.2	717.8	782.3	851.7	853.2
45°	940.7	932.8	909.8	814.3	765.6	743.3	742.5	796.6	871.4	940.7	948.7
47.5°	1033.9	1026.8	1011.6	900.1	853.2	824.6	842.9	877.0	953.6	1036.3	1045.0
50°	1134.1	1130.2	1117.4	1010.9	971.7	925.7	946.4	967.8	1059.3	1139.0	1141.2
52.5°	1241.5	1244.1	1238.5	1135.0	1092.0	1058.6	1081.6	1077.6	1166.8	1259.2	1256.6
55°	1376.2	1376.2	1378.4	1294.1	1252.0	1193.8	1233.6	1224.1	1305.2	1387.3	1384.8
57.5°	1527.3	1528.1	1535.3	1468.4	1432.5	1384.8	1411.1	1392.8	1444.6	1516.2	1509.1
60°	1679.3	1685.7	1707.9	1679.3	1633.2	1592.5	1629.2	1537.7	1600.5	1666.5	1656.2
62.5°	1836.1	1845.7	1879.2	1873.5	1824.2	1806.8	1836.9	1717.5	1801.1	1816.3	1806.0
65°	2017.7	2020.0	2066.9	2069.3	1995.3	2029.5	2019.2	1886.4	2004.1	1990.6	1988.9
67.5°	2219.0	2235.7	2278.6	2258.8	2160.1	2188.7	2172.0	2045.4	2168.8	2164.8	2157.6
70°	2465.7	2472.9	2507.1	2433.9	2292.1	2331.2	2284.2	2177.6	2347.1	2375.7	2368.7
72°	2508.6	2526.2	2560.3	2519.7	2390.1	2438.5	2337.5	2235.7	2402.7	2425.1	2414.7
72.5°	2497.5	2511.8	2551.6	2517.4	2402.0	2454.6	2343.9	2234.1	2388.5	2411.6	2398.8
75°	2176.8	2175.2	2266.8	2330.4	2371.7	2526.9	2312.9	2109.8	2130.6	2126.6	2106.7
77.5°	1385.6	1428.7	1551.3	1760.5	2068.5	2351.0	2049.5	1690.5	1514.6	1412.0	1368.2
80°	483.1	516.5	648.7	928.8	1442.9	1793.9	1435.9	932.8	620.8	482.3	475.9
82.5°	191.8	219.6	242.0	320.8	675.7	1049.8	670.9	347.0	278.6	251.4	243.5
85°	152.1	155.9	171.9	183.1	245.1	339.0	297.7	210.2	195.8	175.9	171.9
87.5°	133.7	136.9	128.9	132.1	171.0	190.3	187.0	135.4	121.0	132.9	128.2
90°	140.0	141.7	129.7	131.3	173.6	195.0	180.6	127.3	125.8	139.2	134.4
92.5°	149.7	152.1	139.2	140.0	179.1	202.2	181.5	126.5	136.9	149.7	144.8
95°	122.6	125.8	117.0	120.2	155.9	180.6	161.5	112.9	121.8	145.6	140.9
97.5°	72.5	75.5	74.7	95.5	102.6	112.9	105.0	78.1	74.7	81.9	77.3
100°	12.8	15.9	33.4	62.9	58.1	49.3	54.1	48.6	31.8	16.7	11.9
102.5°	11.9	12.8	24.7	34.2	24.7	17.4	23.9	28.7	18.3	11.1	11.1
105°	11.9	12.8	13.6	14.4	7.9	7.1	10.3	16.7	11.1	11.1	11.1
107.5°	11.1	11.1	7.1	6.4	6.4	7.1	6.4	7.1	7.9	10.3	11.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
110°	9.5	9.5	6.4	5.6	5.6	6.4	5.6	6.4	6.4	7.9	7.9
112.5°	7.1	7.1	4.9	4.9	4.9	5.6	4.9	4.9	5.6	6.4	6.4
115°	7.1	7.1	4.9	4.0	4.0	4.9	4.0	4.0	4.9	6.4	6.4
117.5°	6.4	6.4	4.0	3.1	3.1	3.1	3.1	3.1	4.9	6.4	6.4
120°	6.4	6.4	4.0	3.1	3.1	2.3	3.1	3.1	4.0	6.4	6.4
122.5°	6.4	6.4	4.0	2.3	2.3	2.3	2.3	3.1	4.0	5.6	6.4
125°	6.4	5.6	4.0	2.3	2.3	2.3	2.3	2.3	4.0	5.6	5.6
127.5°	5.6	5.6	4.0	2.3	2.3	1.5	1.5	2.3	3.1	4.9	5.6
130°	5.6	5.6	4.0	2.3	2.3	1.5	1.5	1.5	3.1	4.9	4.9
132.5°	4.9	4.9	3.1	1.5	1.5	1.5	1.5	1.5	2.3	4.0	4.0
135°	4.0	4.0	3.1	1.5	1.5	1.5	1.5	1.5	1.5	3.1	3.1
137.5°	4.0	4.0	3.1	2.3	1.5	1.5	1.5	1.5	1.5	2.3	2.3
140°	4.0	4.0	3.1	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3
142.5°	4.0	4.0	3.1	2.3	1.5	1.5	1.5	1.5	2.3	2.3	2.3
145°	4.0	4.0	3.1	2.3	1.5	1.5	1.5	2.3	2.3	3.1	3.1
147.5°	4.0	4.0	3.1	2.3	1.5	0.8	1.5	2.3	3.1	3.1	3.1
150°	4.0	4.0	3.1	1.5	0.8	0.0	0.8	1.5	2.3	3.1	3.1
152.5°	3.1	3.1	2.3	0.8	0.8	0.0	0.0	0.8	2.3	2.3	2.3
155°	1.5	1.5	0.8	0.0	0.0	0.0	0.0	0.0	1.5	1.5	1.5
157.5°	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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)