

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: P695932

Luminaire Tested: **LXF.LXT-PA16-740-U-5WQ-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695932
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-3)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-740-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7936.1 lumens
Efficiency: N/A
Efficacy: 110.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

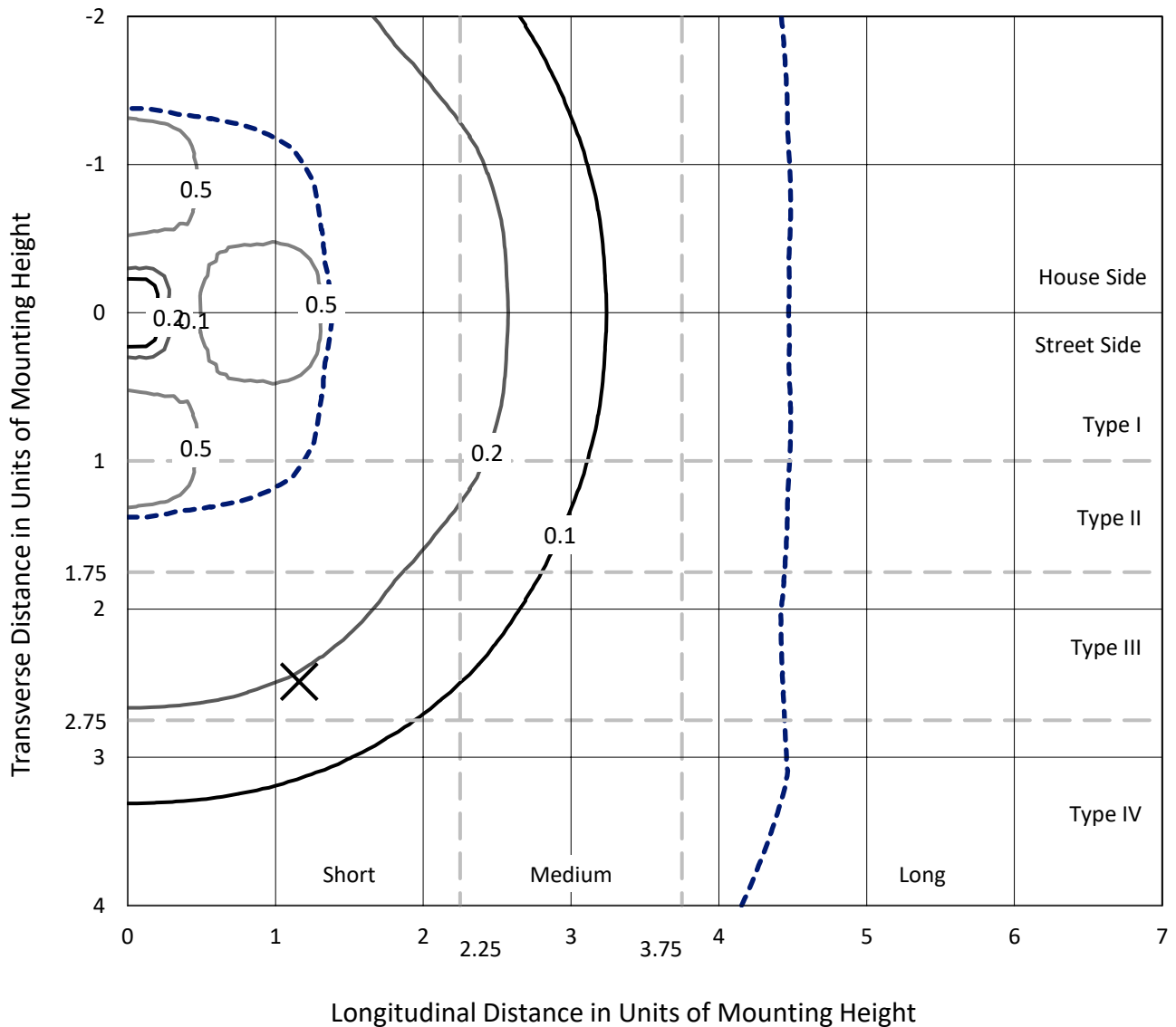
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

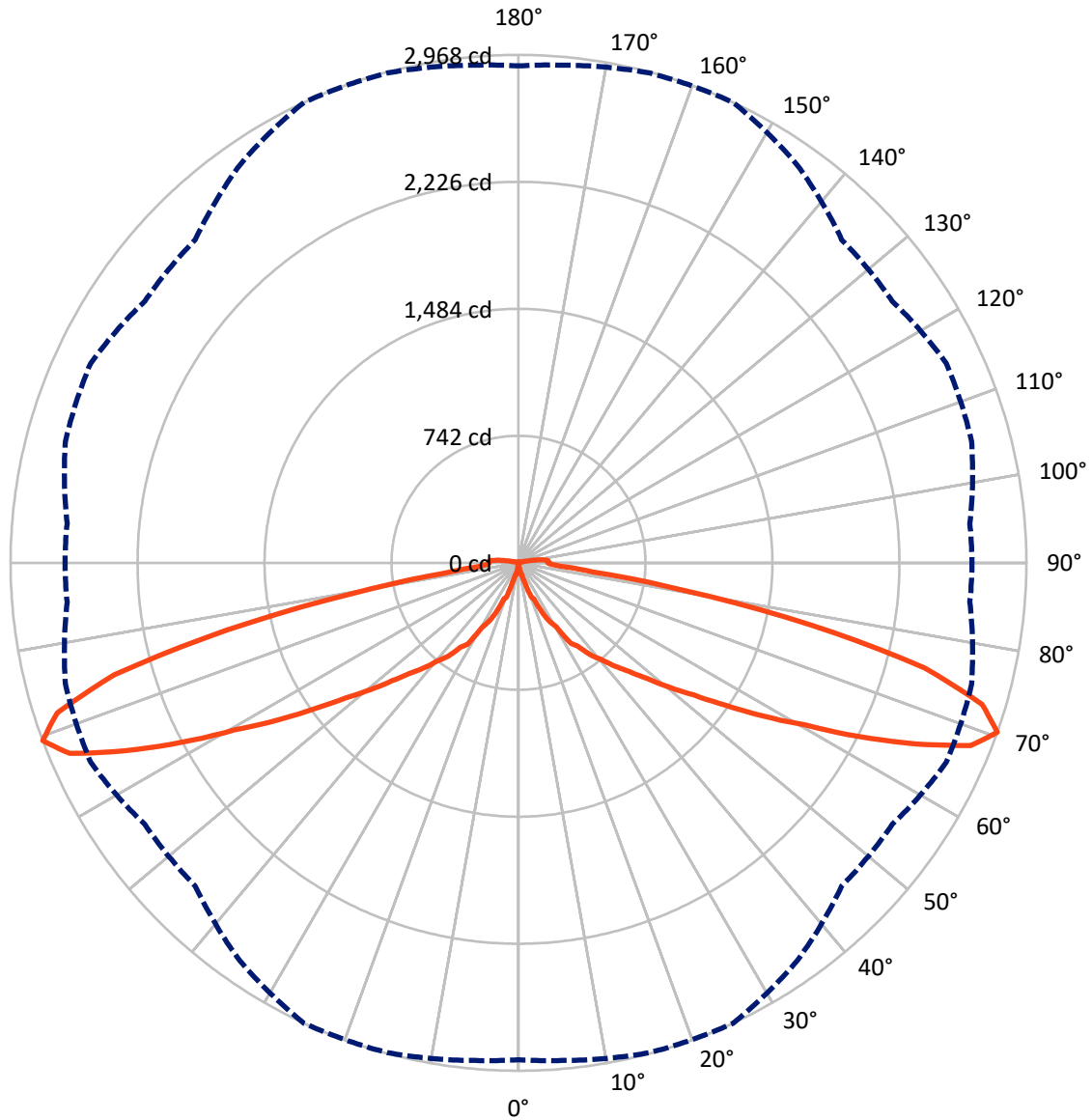
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 25-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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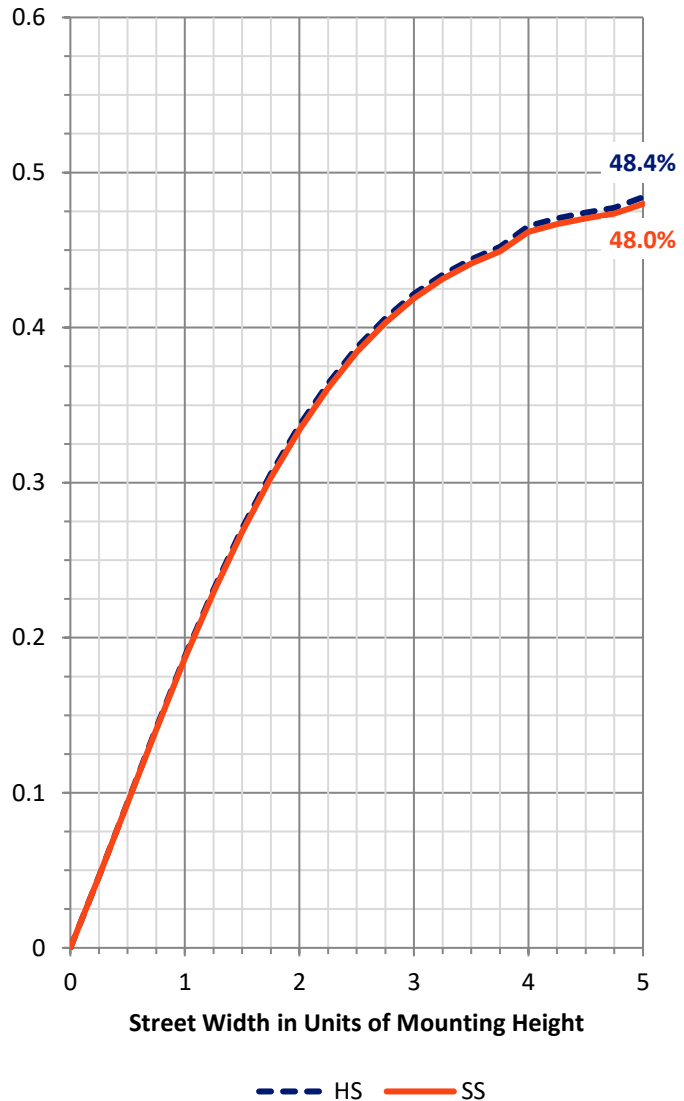
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3868.8	99.2	3968.0
	% Fixture	48.7	1.3	50.0
Street Side	Lumens	3868.8	99.2	3968.0
	% Fixture	48.7	1.3	50.0
Total	Lumens	7737.6	198.5	7936.1
	% Fixture	97.5	2.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.5	0.0
10°-20°	30.1	0.4
20°-30°	158.7	2.0
30°-40°	399.0	5.0
40°-50°	726.9	9.2
50°-60°	1325.4	16.7
60°-70°	2397.6	30.2
70°-80°	2283.4	28.8
80°-90°	415.9	5.2
90°-100°	160.9	2.0
100°-110°	23.4	0.3
110°-120°	6.1	0.1
120°-130°	3.8	0.0
130°-140°	2.3	0.0
140°-150°	1.7	0.0
150°-160°	0.2	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7737.6	97.5
0°-180°	7936.1	100.0

Coefficient of Utilization



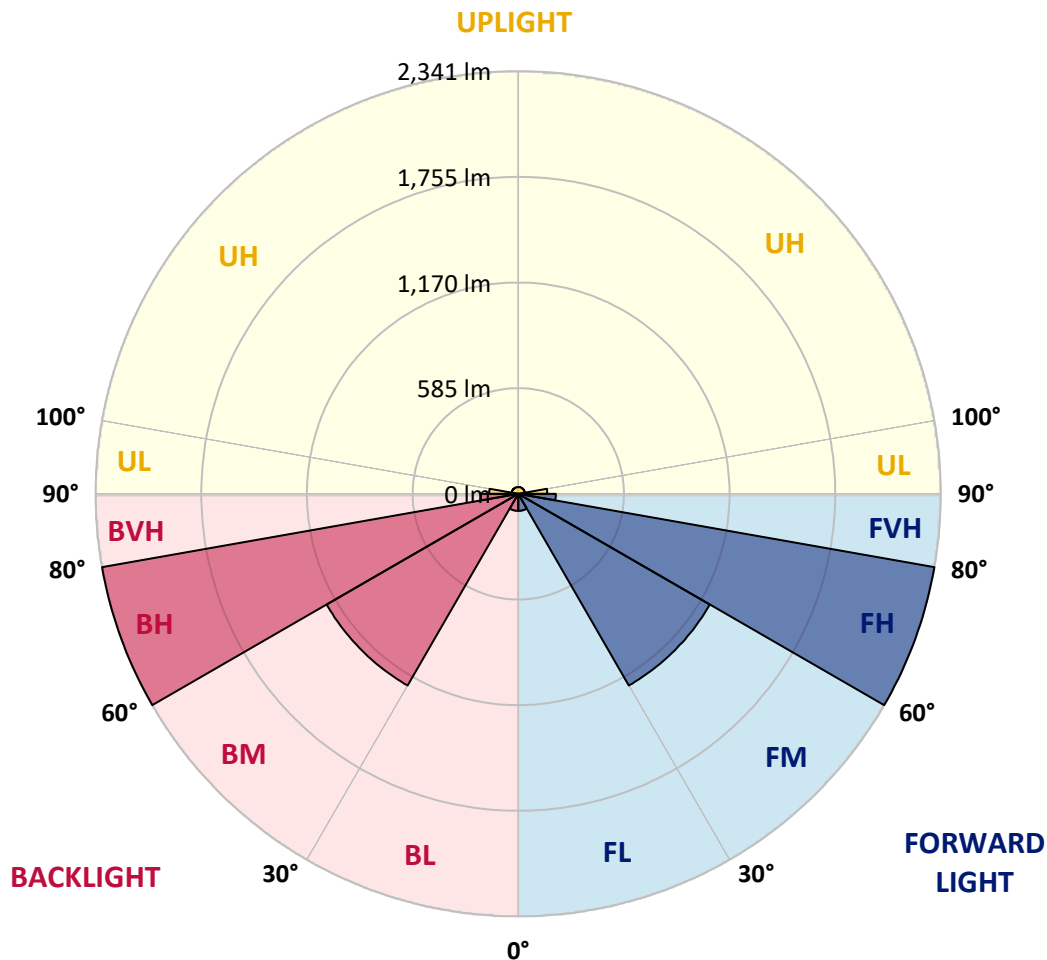
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	94.7	1.2			
FM (30°-60°)	1225.7	15.4			
FH (60°-80°)	2340.5	29.5			G2/5000
FVH (80°-90°)	208.0	2.6			G2/225
BL (0°-30°)	94.7	1.2	B0/110		
BM (30°-60°)	1225.7	15.4	B2/2500		
BH (60°-80°)	2340.5	29.5	B3/2500		G2/5000
BVH (80°-90°)	208.0	2.6			G2/225
UL (90°-100°)	160.9	2.0		U3/500	
UH (100°-180°)	37.5	0.5		U2/50	

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°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
2.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
7.5°	5.2	5.2	5.2	2.6	5.2	2.6	5.2	2.6	2.6	5.2	5.2
10°	54.3	46.5	23.3	15.5	7.8	5.2	5.2	5.2	5.2	5.2	5.2
12.5°	72.4	72.4	69.8	67.2	56.9	15.5	7.8	15.5	25.9	54.3	59.5
15°	87.9	87.9	80.1	75.0	69.8	59.5	56.9	106.0	126.7	134.4	139.6
17.5°	214.6	214.6	196.5	124.1	80.1	111.2	152.5	139.6	147.4	150.0	152.5
20°	232.7	230.1	222.3	214.6	175.8	162.9	175.8	165.5	217.2	235.3	258.5
22.5°	305.1	287.0	253.4	227.5	245.6	219.8	204.2	281.8	299.9	312.8	315.4
25°	400.7	398.1	387.8	323.2	281.8	274.0	289.6	328.3	336.1	356.8	362.0
27.5°	426.6	429.2	408.5	387.8	374.9	341.3	359.4	400.7	465.4	491.2	493.8
30°	597.2	592.1	568.8	431.8	418.8	403.3	426.6	473.1	496.4	524.8	530.0
32.5°	625.7	617.9	610.1	561.0	468.0	460.2	488.6	511.9	625.7	703.2	705.8
35°	736.8	736.8	708.4	599.8	576.5	517.1	537.8	630.8	711.0	744.6	744.6
37.5°	796.3	791.1	767.9	682.5	602.4	576.5	610.1	674.8	754.9	796.3	796.3
40°	863.5	858.3	832.5	742.0	685.1	630.8	677.4	742.0	832.5	868.7	868.7
42.5°	943.7	938.5	910.1	824.7	747.2	698.1	736.8	829.9	910.1	933.3	943.7
45°	1039.3	1031.6	1005.7	904.9	822.1	760.1	796.3	915.2	998.0	1041.9	1036.7
47.5°	1150.5	1140.1	1111.7	1010.9	920.4	840.2	884.2	1026.4	1122.1	1150.5	1158.2
50°	1264.2	1259.1	1246.2	1142.7	1026.4	948.8	1005.7	1155.7	1248.7	1264.2	1269.4
52.5°	1390.9	1378.0	1380.6	1282.3	1171.2	1088.4	1155.7	1269.4	1390.9	1388.3	1385.8
55°	1538.3	1535.7	1543.5	1471.1	1344.4	1253.9	1328.9	1471.1	1548.6	1540.9	1525.4
57.5°	1711.5	1711.5	1732.2	1690.8	1569.3	1476.2	1525.4	1677.9	1721.9	1693.4	1685.7
60°	1939.0	1926.1	1962.3	1923.5	1840.8	1716.7	1778.7	1910.6	1928.7	1892.5	1900.2
62.5°	2223.4	2218.3	2238.9	2236.3	2138.1	1993.3	2058.0	2176.9	2197.6	2166.5	2179.5
65°	2538.8	2533.7	2559.5	2551.8	2440.6	2285.5	2342.3	2474.2	2474.2	2414.7	2419.9
67.5°	2797.4	2797.4	2836.2	2849.1	2696.5	2500.1	2538.8	2691.4	2681.0	2606.1	2608.6
70°	2903.4	2918.9	2962.8	2968.0	2838.7	2670.7	2665.5	2758.6	2740.5	2647.4	2650.0
72.5°	2722.4	2730.2	2807.7	2833.6	2805.1	2730.2	2650.0	2590.5	2546.6	2482.0	2482.0
75°	2205.3	2200.2	2301.0	2450.9	2536.3	2611.2	2422.5	2251.9	2187.2	2130.3	2151.0
77.5°	1401.3	1378.0	1491.8	1747.7	1980.4	2200.2	1993.3	1742.5	1574.5	1468.5	1453.0
80°	617.9	630.8	723.9	987.6	1300.4	1540.9	1388.3	1021.2	791.1	643.8	599.8
82.5°	274.0	279.2	318.0	434.3	723.9	904.9	767.9	468.0	323.2	287.0	284.4
85°	188.7	199.1	193.9	237.9	336.1	405.9	354.2	235.3	196.5	186.1	178.4
87.5°	173.2	175.8	165.5	181.0	222.3	206.8	206.8	168.0	142.2	155.1	152.5
90°	181.0	183.6	165.5	170.6	204.2	183.6	191.3	157.7	147.4	165.5	162.9
92.5°	183.6	196.5	181.0	175.8	204.2	201.7	191.3	162.9	160.3	178.4	175.8
95°	162.9	181.0	162.9	165.5	188.7	191.3	181.0	160.3	165.5	178.4	183.6
97.5°	98.2	106.0	106.0	121.5	131.9	139.6	134.4	116.3	98.2	93.1	87.9
100°	36.2	36.2	51.7	77.6	72.4	59.5	75.0	75.0	44.0	23.3	15.5
102.5°	15.5	15.5	31.0	44.0	31.0	20.7	33.6	46.5	28.4	15.5	12.9
105°	15.5	15.5	18.1	23.3	12.9	10.3	12.9	23.3	12.9	12.9	12.9
107.5°	12.9	12.9	10.3	10.3	7.8	7.8	7.8	7.8	10.3	12.9	15.5
110°	12.9	10.3	7.8	7.8	7.8	7.8	7.8	7.8	7.8	12.9	12.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.3	7.8	5.2	5.2	5.2	7.8	5.2	5.2	5.2	7.8	7.8
115°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8
117.5°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8
120°	7.8	7.8	5.2	2.6	2.6	2.6	5.2	5.2	5.2	7.8	7.8
122.5°	7.8	7.8	5.2	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8
125°	7.8	7.8	5.2	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8
127.5°	7.8	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	7.8	7.8
130°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2	5.2
132.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
135°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
140°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6
150°	5.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	5.2	5.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)