

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: P695982

Luminaire Tested: **LXF.LXT-PA16-750-U-T3-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695982
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA16-750-U-T3-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7386.1 lumens
Efficiency: N/A
Efficacy: 102.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

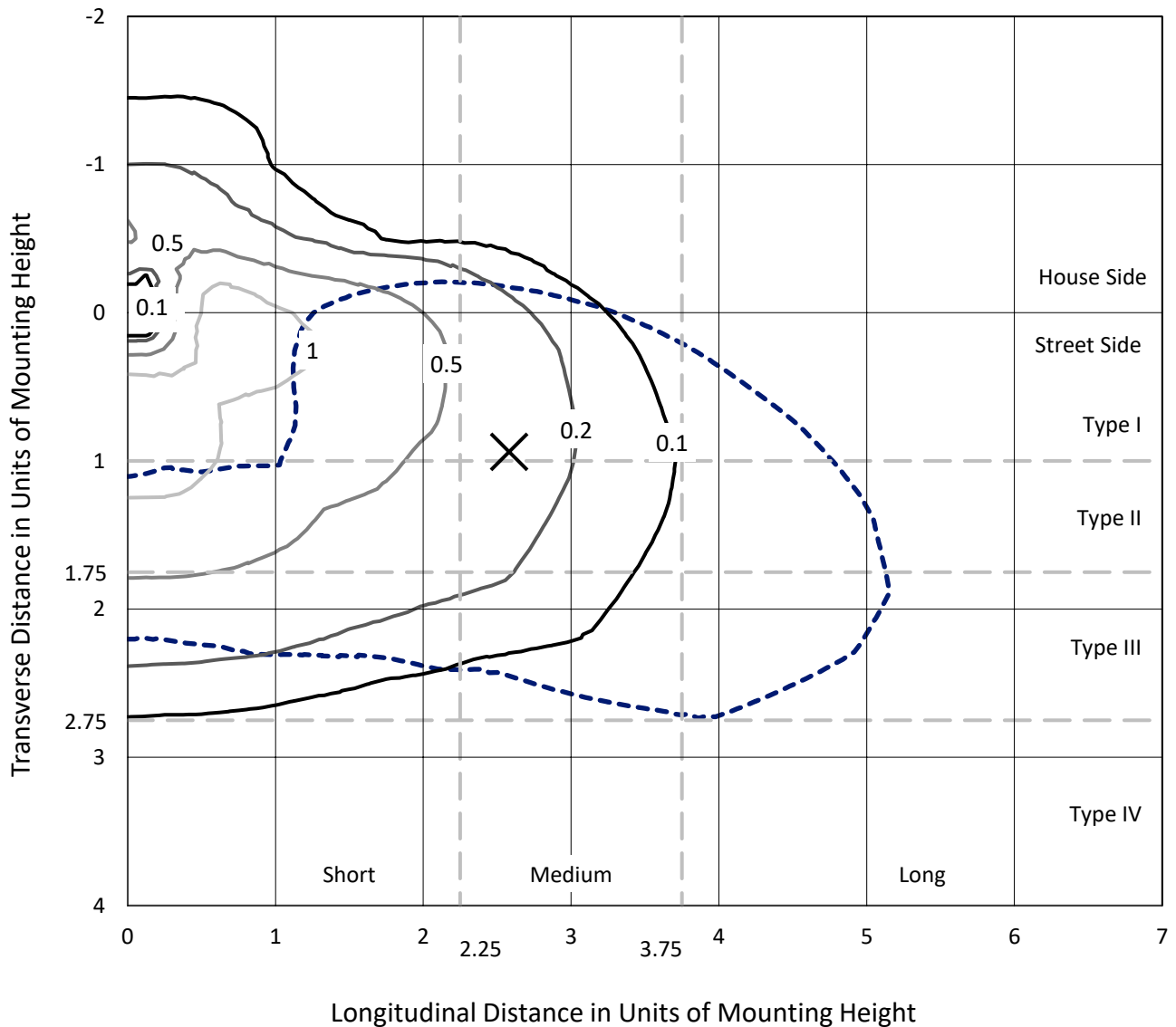
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

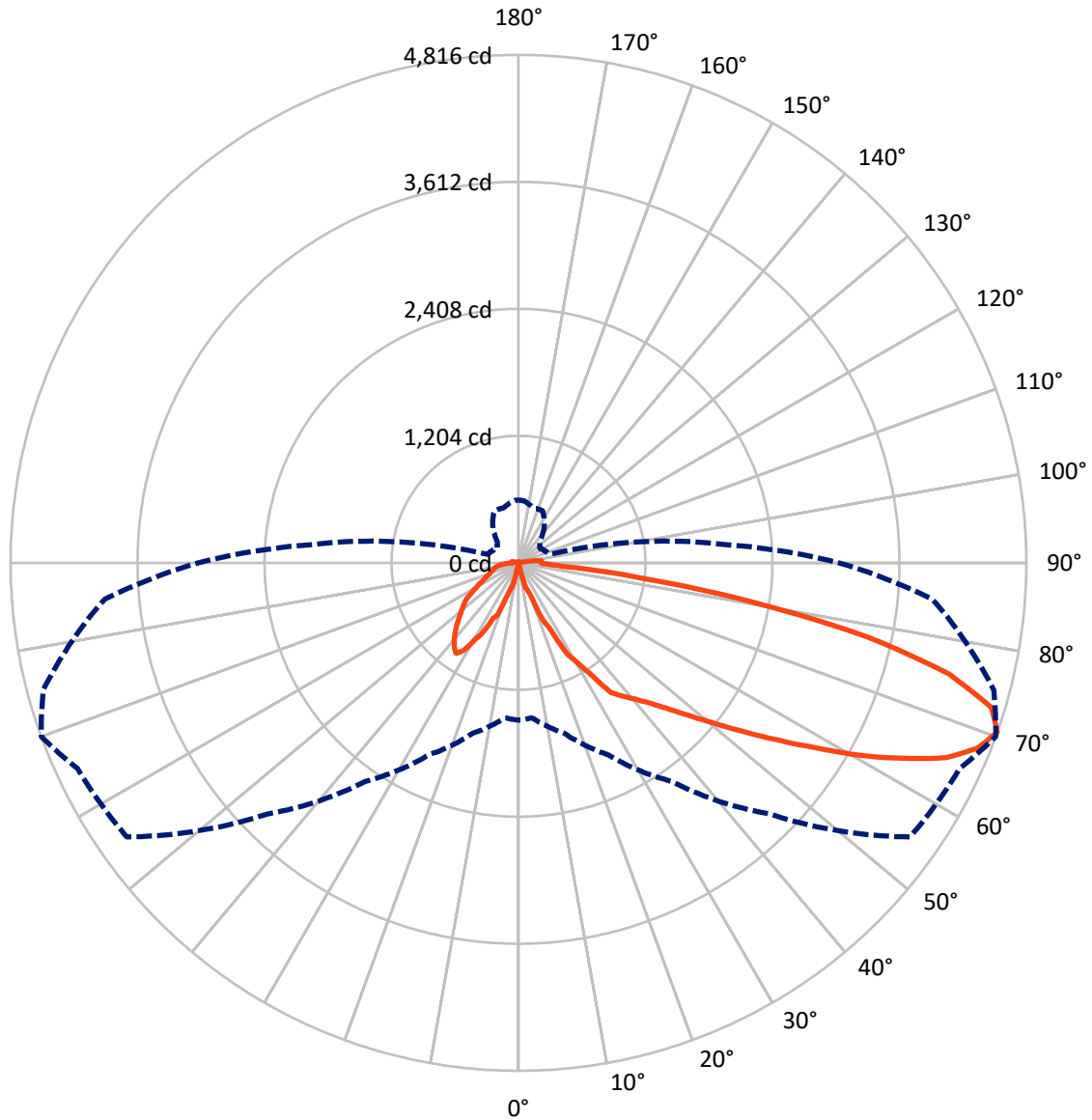
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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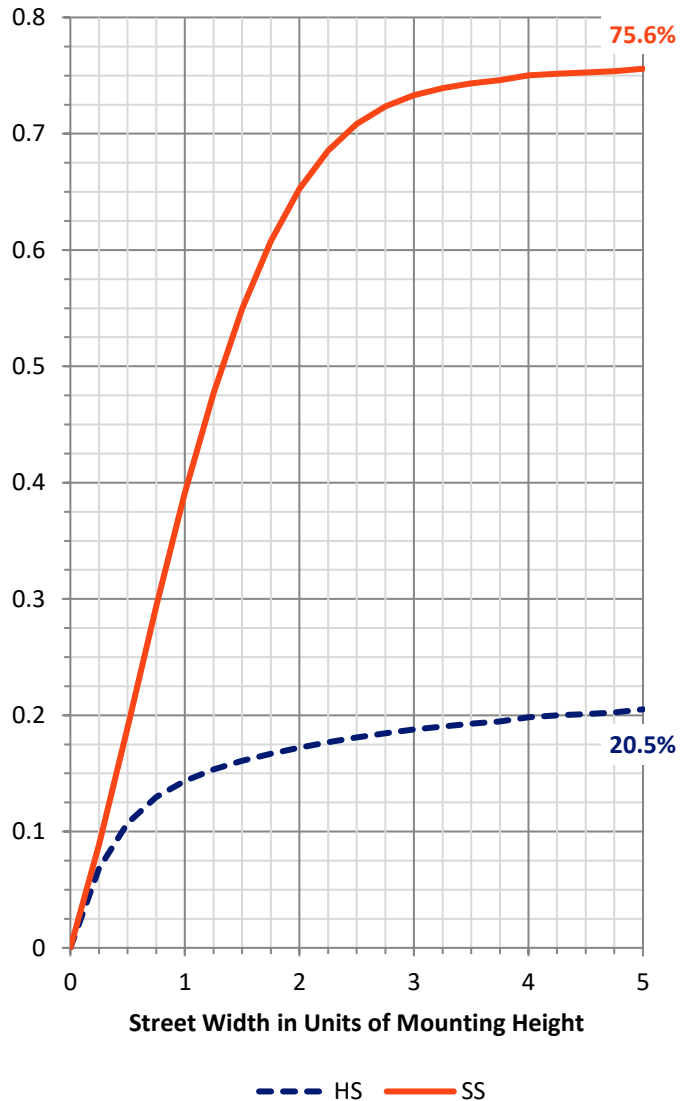
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1607.3	79.7	1686.9
	% Fixture	21.8	1.1	22.8
Street Side	Lumens	5629.1	70.1	5699.2
	% Fixture	76.2	0.9	77.2
Total	Lumens	7236.3	149.8	7386.1
	% Fixture	98.0	2.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.6	0.0
10°-20°	52.7	0.7
20°-30°	301.8	4.1
30°-40°	696.7	9.4
40°-50°	1020.5	13.8
50°-60°	1509.3	20.4
60°-70°	1979.5	26.8
70°-80°	1344.4	18.2
80°-90°	330.7	4.5
90°-100°	108.6	1.5
100°-110°	19.4	0.3
110°-120°	7.7	0.1
120°-130°	6.1	0.1
130°-140°	4.3	0.1
140°-150°	3.3	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7236.3	98.0
0°-180°	7386.1	100.0

Coefficient of Utilization

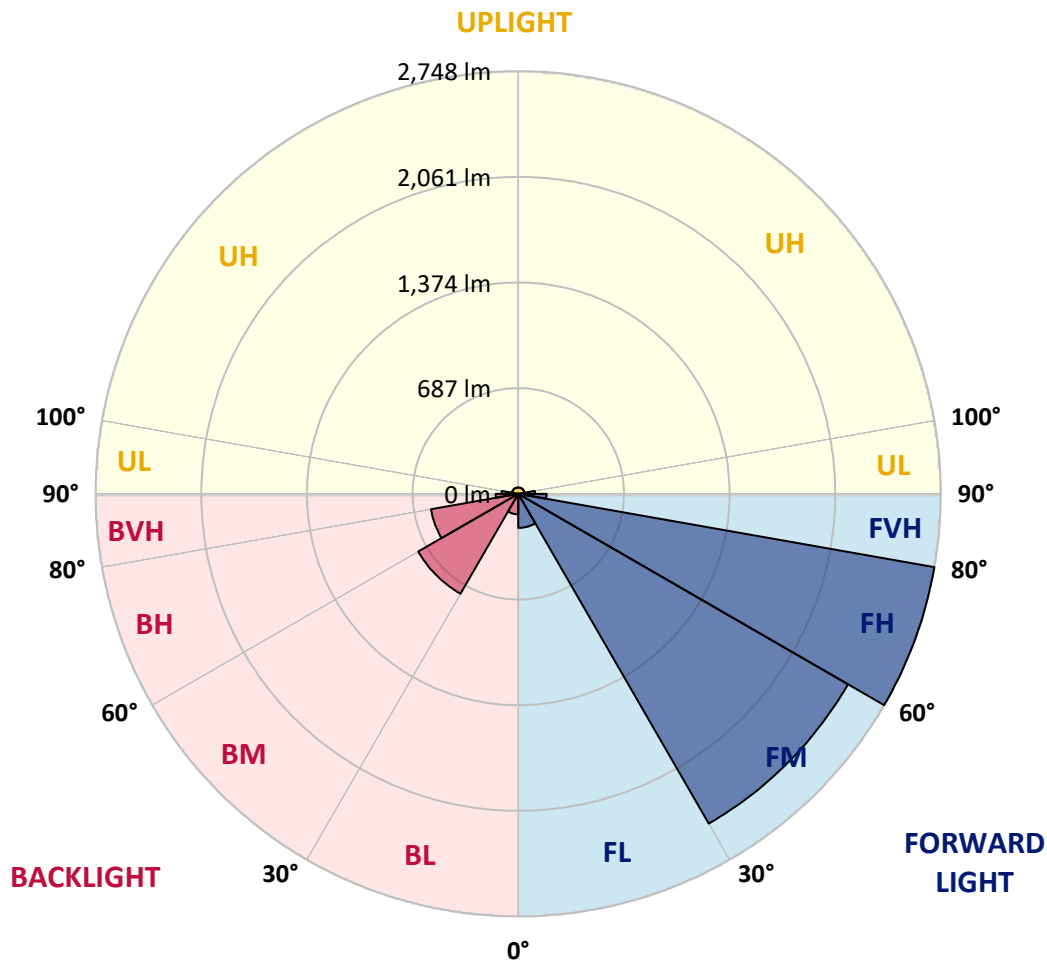


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	221.8	3.0			
FM (30°-60°)	2475.9	33.5			
FH (60°-80°)	2747.7	37.2			G2/5000
FVH (80°-90°)	183.7	2.5			G2/225
BL (0°-30°)	133.4	1.8	B1/500		
BM (30°-60°)	750.6	10.2	B1/1000		
BH (60°-80°)	576.3	7.8	B2/1000		G2/1000
BVH (80°-90°)	147.0	2.0			G2/225
UL (90°-100°)	108.6	1.5		U3/500	
UH (100°-180°)	41.1	0.6		U2/50	

BUG Rating: B2-U3-G2
 Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
5°	5.2	5.2	5.2	5.2	7.8	7.8	5.2	5.2	5.2	5.2	5.2
7.5°	7.8	5.2	5.2	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2
10°	43.9	46.5	31.0	18.1	12.9	7.8	7.8	7.8	7.8	7.8	7.8
12.5°	237.8	235.2	230.0	160.3	56.9	18.1	12.9	23.3	28.4	36.2	51.7
15°	268.8	271.4	263.7	261.1	245.6	93.1	49.1	217.1	237.8	240.4	240.4
17.5°	374.8	372.2	336.0	294.7	276.6	286.9	230.0	258.5	268.8	274.0	276.6
20°	630.7	628.1	620.4	529.9	341.2	418.7	405.8	307.6	325.7	418.7	532.5
22.5°	703.1	697.9	687.6	661.7	685.0	478.2	465.3	540.2	586.8	615.2	612.6
25°	1077.9	1088.2	896.9	744.4	757.4	654.0	703.1	697.9	685.0	690.1	697.9
27.5°	1199.4	1189.0	1173.5	1098.5	842.7	889.2	801.3	891.8	974.5	1021.0	1008.1
30°	1538.0	1535.4	1351.9	1222.6	1106.3	964.1	997.7	1124.4	1096.0	1103.7	1062.4
32.5°	1796.4	1793.9	1768.0	1509.5	1253.6	1090.8	1183.8	1189.0	1261.4	1403.6	1416.5
35°	1897.3	1886.9	1868.8	1680.1	1426.8	1284.7	1251.1	1470.8	1512.1	1517.3	1481.1
37.5°	2000.6	1987.7	1972.2	1762.8	1597.4	1362.2	1434.6	1602.6	1602.6	1636.2	1545.7
40°	2060.1	2060.1	2057.5	1832.6	1675.0	1432.0	1525.0	1703.4	1698.2	1721.5	1636.2
42.5°	2135.1	2127.3	2155.7	1905.0	1755.1	1504.4	1612.9	1799.0	1814.5	1874.0	1757.7
45°	2241.0	2251.4	2264.3	2060.1	1863.7	1610.3	1716.3	1949.0	1964.5	2044.6	1933.4
47.5°	2357.4	2370.3	2416.8	2222.9	2039.4	1744.8	1804.2	2119.5	2155.7	2254.0	2155.7
50°	2502.1	2504.7	2571.9	2385.8	2264.3	1936.0	1964.5	2285.0	2380.6	2468.5	2409.0
52.5°	2605.5	2615.8	2698.5	2595.2	2471.1	2166.1	2197.1	2499.5	2649.4	2758.0	2683.0
55°	2696.0	2703.7	2781.3	2755.4	2644.3	2341.8	2499.5	2789.0	2957.0	3050.1	3019.1
57.5°	2729.6	2737.3	2853.6	2874.3	2820.0	2564.1	2817.5	3075.9	3300.8	3404.2	3352.5
60°	2706.3	2706.3	2848.5	2959.6	3013.9	2809.7	3153.5	3399.0	3704.0	3773.8	3791.9
62.5°	2628.8	2649.4	2822.6	2995.8	3153.5	3050.1	3494.7	3799.7	4081.4	4146.0	4104.7
65°	2458.2	2463.3	2646.9	2918.3	3169.0	3311.2	3931.5	4138.3	4456.2	4433.0	4257.2
67.5°	2135.1	2098.9	2259.1	2641.7	2998.4	3445.6	4296.0	4425.2	4691.4	4613.9	4218.4
70°	1491.4	1475.9	1672.4	2008.4	2528.0	3368.0	4531.2	4613.9	4815.5	4665.6	3936.7
72.5°	708.2	765.1	863.3	1150.2	1752.5	2843.3	4466.6	4595.8	4686.3	4515.7	3419.7
75°	310.2	317.9	369.6	522.1	902.1	1796.4	3908.2	4128.0	4218.4	4024.6	2693.4
77.5°	222.3	222.3	245.6	284.3	411.0	858.2	2662.4	3269.8	3386.1	3197.4	1886.9
80°	173.2	173.2	191.3	217.1	255.9	354.1	1659.5	2191.9	2233.3	1954.1	1052.0
82.5°	129.2	134.4	149.9	162.8	188.7	243.0	710.8	1127.0	1155.4	907.3	550.6
85°	93.1	93.1	103.4	103.4	124.1	188.7	367.0	413.6	411.0	364.5	341.2
87.5°	31.0	31.0	25.8	31.0	51.7	118.9	230.0	232.6	222.3	253.3	286.9
90°	36.2	36.2	25.8	28.4	38.8	108.6	222.3	222.3	212.0	227.5	286.9
92.5°	38.8	38.8	28.4	28.4	33.6	95.6	224.9	235.2	222.3	230.0	284.3
95°	38.8	38.8	28.4	25.8	31.0	64.6	217.1	217.1	209.4	204.2	224.9
97.5°	23.3	23.3	18.1	20.7	25.8	33.6	129.2	134.4	118.9	93.1	121.5
100°	15.5	15.5	12.9	15.5	18.1	18.1	62.0	64.6	49.1	23.3	25.8
102.5°	15.5	15.5	10.3	12.9	10.3	10.3	18.1	23.3	15.5	15.5	20.7
105°	15.5	18.1	7.8	7.8	7.8	7.8	7.8	15.5	12.9	12.9	20.7
107.5°	15.5	15.5	7.8	7.8	7.8	7.8	5.2	7.8	10.3	12.9	23.3
110°	7.8	10.3	5.2	7.8	5.2	7.8	5.2	7.8	10.3	10.3	18.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.2	5.2	2.6	5.2	5.2	5.2	5.2	7.8	7.8	7.8	12.9
115°	5.2	5.2	2.6	2.6	2.6	5.2	5.2	5.2	7.8	7.8	12.9
117.5°	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	5.2	7.8	12.9
120°	7.8	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8	12.9
122.5°	7.8	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	12.9
125°	7.8	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	12.9
127.5°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	12.9
130°	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	7.8	10.3
132.5°	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2	10.3
135°	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2	7.8
137.5°	5.2	5.2	2.6	2.6	5.2	5.2	5.2	5.2	5.2	5.2	5.2
140°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
142.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
145°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8
150°	7.8	7.8	7.8	5.2	5.2	2.6	5.2	5.2	5.2	5.2	7.8
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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
2.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8
5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8
7.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
10°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8
12.5°	46.5	46.5	36.2	18.1	7.8	5.2	5.2	5.2	7.8	12.9	10.3
15°	245.6	245.6	240.4	219.7	46.5	12.9	10.3	23.3	103.4	186.1	188.7
17.5°	281.7	279.2	274.0	261.1	232.6	82.7	80.1	217.1	232.6	243.0	245.6
20°	529.9	524.7	405.8	289.5	253.3	250.7	219.7	245.6	253.3	258.5	261.1
22.5°	604.8	597.1	568.7	501.5	289.5	341.2	320.5	266.2	398.1	426.5	426.5
25°	695.3	674.6	617.8	540.2	493.7	359.3	369.6	387.7	411.0	416.2	416.2
27.5°	990.0	971.9	889.2	594.5	529.9	423.9	429.1	392.9	413.6	473.0	480.8
30°	1036.5	1008.1	933.1	734.1	550.6	475.6	411.0	460.1	483.4	480.8	483.4
32.5°	1380.3	1351.9	1199.4	754.8	591.9	447.2	449.8	460.1	475.6	501.5	519.5
35°	1434.6	1403.6	1230.4	858.2	566.1	444.6	444.6	465.3	535.1	545.4	545.4
37.5°	1494.0	1468.2	1217.4	801.3	571.2	444.6	431.7	475.6	504.0	501.5	501.5
40°	1597.4	1556.1	1183.8	731.5	519.5	426.5	431.7	447.2	462.7	447.2	439.4
42.5°	1718.9	1643.9	1139.9	659.1	478.2	403.2	408.4	413.6	413.6	385.1	382.6
45°	1874.0	1734.4	1080.5	591.9	439.4	374.8	387.7	380.0	380.0	356.7	354.1
47.5°	2049.8	1827.5	1008.1	532.5	405.8	349.0	367.0	359.3	364.5	343.8	341.2
50°	2254.0	1949.0	938.3	488.5	377.4	336.0	346.4	356.7	364.5	338.6	336.0
52.5°	2468.5	2067.9	889.2	439.4	351.5	320.5	354.1	356.7	361.9	336.0	336.0
55°	2732.2	2215.2	829.7	403.2	333.4	307.6	372.2	372.2	364.5	341.2	338.6
57.5°	3016.5	2362.5	718.6	369.6	317.9	299.8	380.0	392.9	374.8	346.4	346.4
60°	3280.1	2509.9	591.9	343.8	302.4	297.3	385.1	403.2	387.7	361.9	361.9
62.5°	3481.7	2582.2	496.3	323.1	284.3	289.5	382.6	423.9	418.7	405.8	405.8
65°	3505.0	2517.6	416.2	305.0	268.8	286.9	377.4	444.6	447.2	467.9	470.4
67.5°	3380.9	2310.8	354.1	289.5	255.9	279.2	380.0	488.5	501.5	540.2	535.1
70°	3039.7	1974.8	307.6	271.4	245.6	281.7	426.5	542.8	540.2	589.3	594.5
72.5°	2538.3	1563.8	279.2	261.1	250.7	302.4	480.8	558.3	548.0	602.3	597.1
75°	1925.7	1103.7	255.9	248.1	243.0	307.6	493.7	542.8	522.1	558.3	553.2
77.5°	1266.6	726.3	232.6	232.6	235.2	294.7	473.0	517.0	491.1	514.4	511.8
80°	713.4	431.7	209.4	219.7	224.9	281.7	442.0	480.8	454.9	473.0	473.0
82.5°	429.1	307.6	183.5	201.6	206.8	279.2	413.6	447.2	423.9	434.2	421.3
85°	292.1	224.9	144.7	170.6	193.9	268.8	390.3	413.6	372.2	364.5	354.1
87.5°	237.8	175.8	80.1	108.6	144.7	230.0	310.2	312.8	274.0	268.8	266.2
90°	232.6	162.8	56.9	59.5	95.6	160.3	204.2	196.4	183.5	186.1	183.5
92.5°	227.5	155.1	62.0	64.6	95.6	126.7	173.2	170.6	157.7	170.6	168.0
95°	193.9	134.4	64.6	69.8	82.7	77.5	126.7	134.4	124.1	131.8	134.4
97.5°	100.8	72.4	62.0	69.8	62.0	46.5	75.0	85.3	64.6	51.7	56.9
100°	33.6	23.3	62.0	72.4	46.5	33.6	54.3	62.0	38.8	15.5	15.5
102.5°	20.7	20.7	43.9	56.9	33.6	18.1	36.2	43.9	28.4	12.9	12.9
105°	20.7	20.7	18.1	31.0	12.9	10.3	12.9	23.3	15.5	12.9	12.9
107.5°	23.3	20.7	10.3	10.3	10.3	7.8	7.8	10.3	10.3	12.9	12.9
110°	20.7	18.1	10.3	10.3	7.8	7.8	7.8	7.8	10.3	15.5	15.5

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	12.9	15.5	10.3	7.8	7.8	7.8	7.8	7.8	10.3	15.5	15.5
115°	12.9	12.9	7.8	7.8	5.2	7.8	7.8	7.8	10.3	15.5	18.1
117.5°	15.5	12.9	7.8	5.2	5.2	5.2	5.2	7.8	10.3	18.1	18.1
120°	15.5	12.9	7.8	7.8	5.2	5.2	5.2	7.8	10.3	18.1	20.7
122.5°	15.5	12.9	7.8	5.2	5.2	5.2	5.2	7.8	10.3	18.1	20.7
125°	12.9	12.9	7.8	5.2	5.2	5.2	5.2	7.8	10.3	18.1	18.1
127.5°	12.9	12.9	7.8	5.2	5.2	5.2	5.2	7.8	10.3	18.1	18.1
130°	12.9	10.3	7.8	5.2	5.2	5.2	5.2	7.8	10.3	15.5	18.1
132.5°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	5.2	10.3	15.5	15.5
135°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	7.8	10.3	12.9
137.5°	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	7.8	7.8	10.3
140°	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	5.2	7.8	7.8
142.5°	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	5.2	7.8	7.8
145°	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	5.2	7.8	7.8
147.5°	7.8	5.2	5.2	5.2	2.6	2.6	5.2	5.2	5.2	7.8	7.8
150°	7.8	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	7.8	7.8
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)