

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: P695967

Luminaire Tested: **LXF.LXT-PA16-750-U-SL3-CL**

Issue Date: 7/5/2023

**Test Information**

Test Method: LM-79-08  
Report Number: P695967  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-28)  
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-SL3-CL  
Description: DECORATIVE POST TOP LUMINAIRE  
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL  
LIGHT ELIMINATOR OPTICS AND CLEAR LENS PANELS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7060.1 lumens  
Efficiency: N/A  
Efficacy: 98.1 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')  
IES Classification: Type IV - Medium  
BUG Rating: B1 - U3 - G3

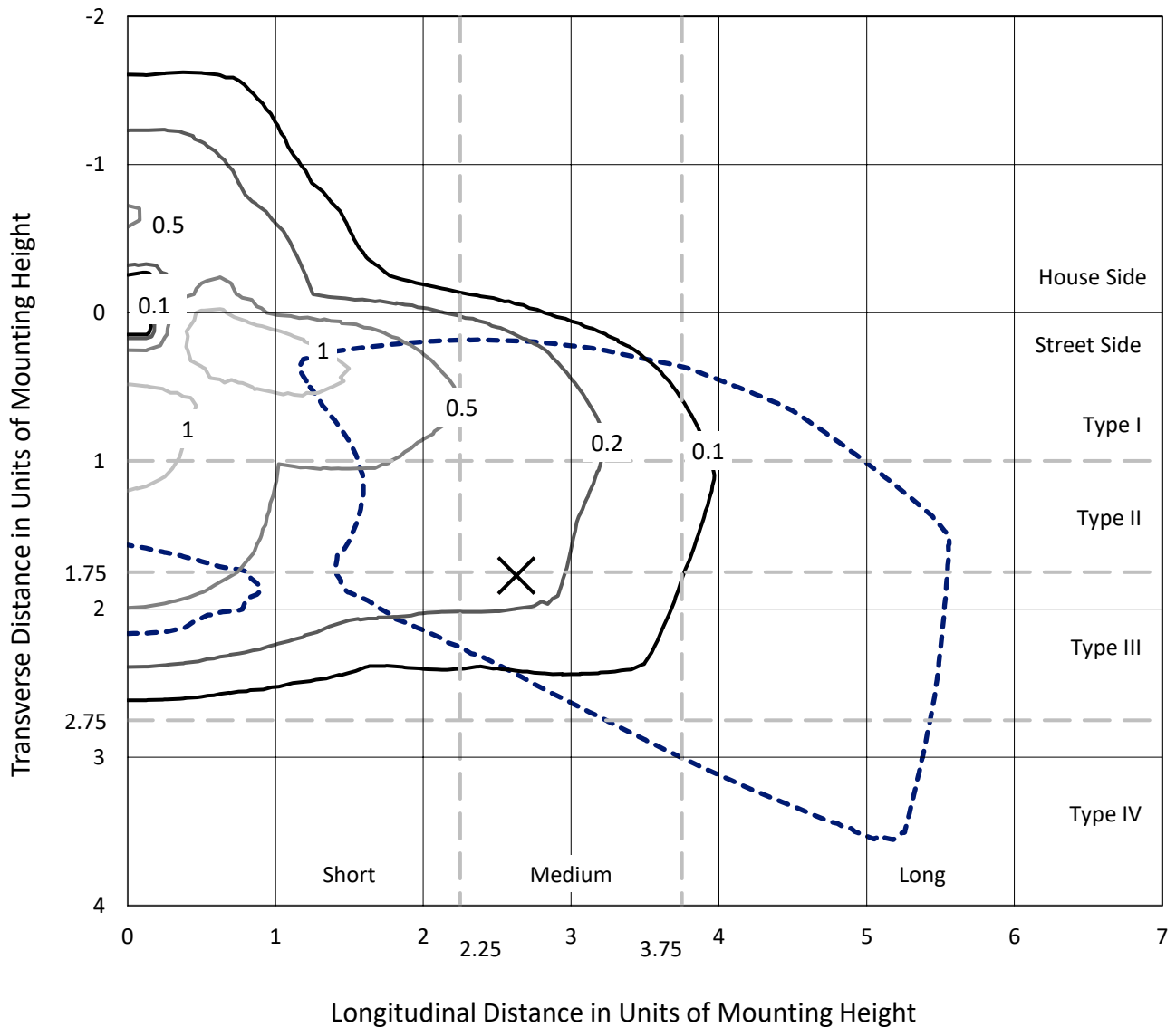
Input Watts (W): 72  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

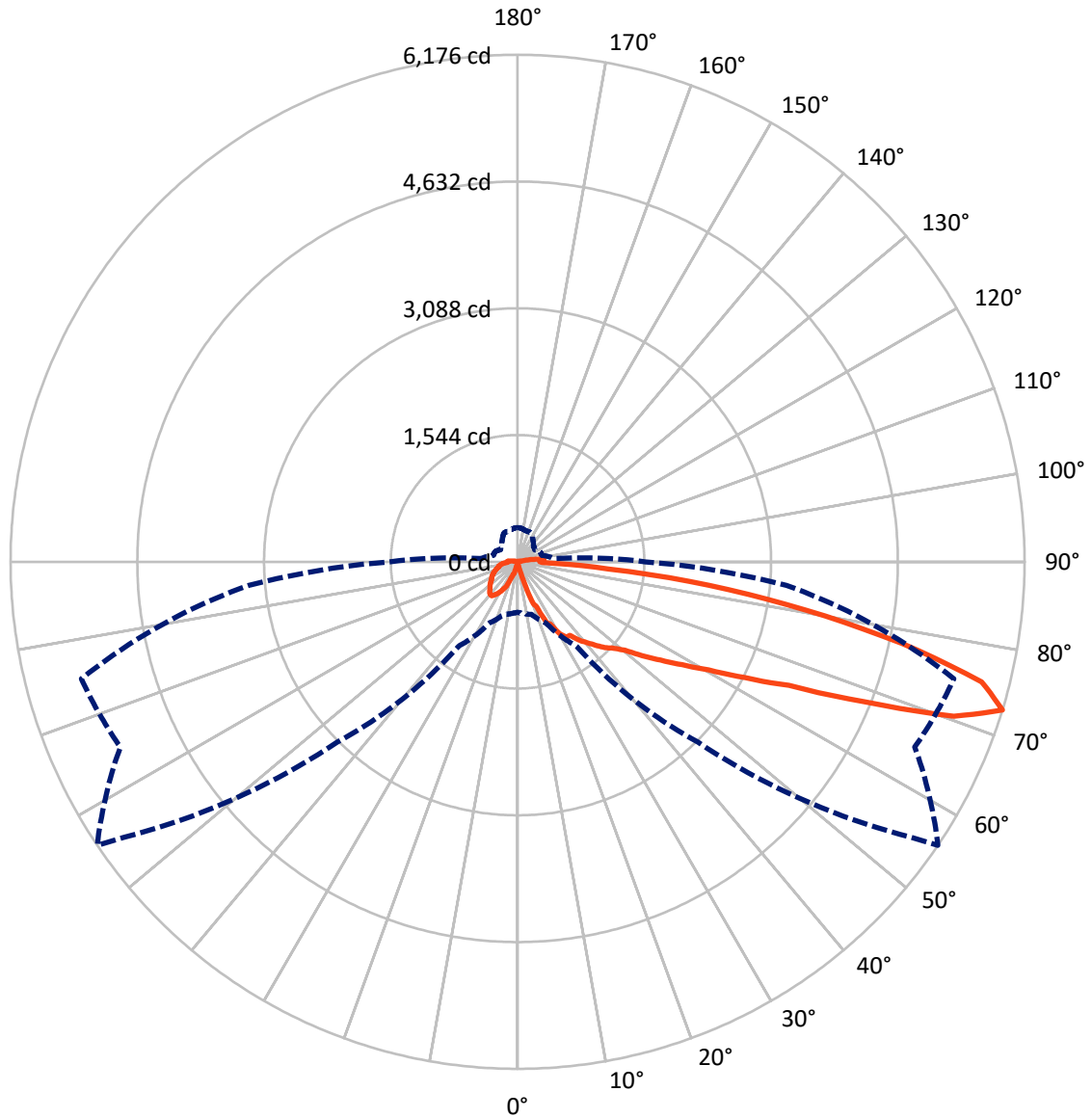
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc  
 Type IV - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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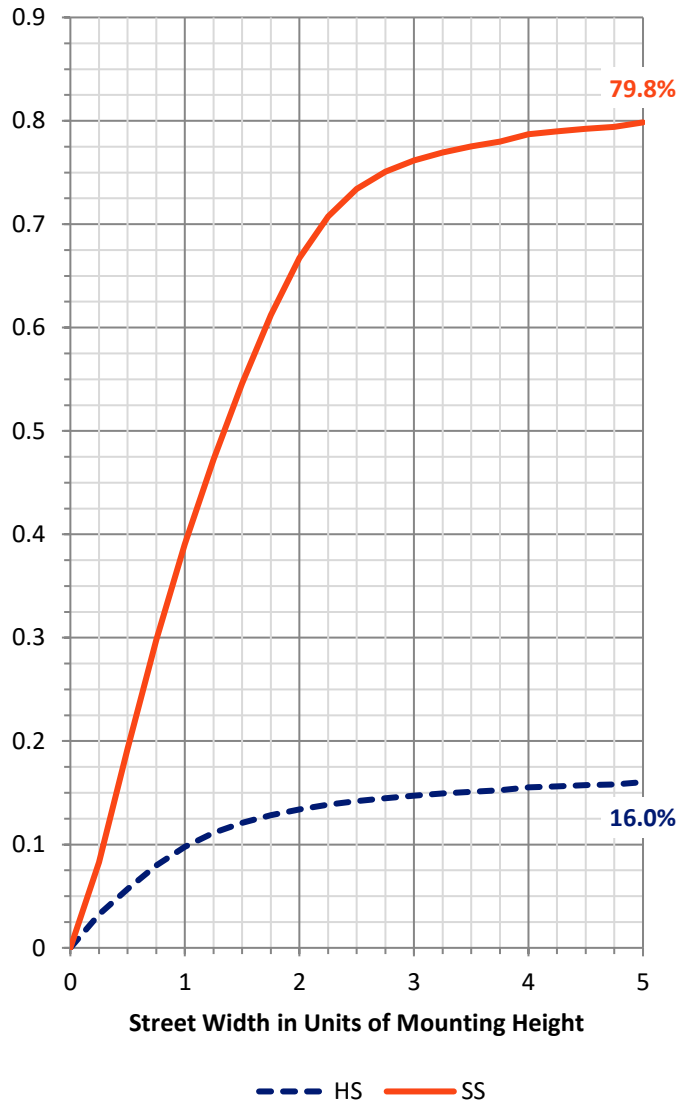
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1206.0	76.5	1282.5
	% Fixture	17.1	1.1	18.2
<b>Street Side</b>	Lumens	5697.0	80.6	5777.6
	% Fixture	80.7	1.1	81.8
<b>Total</b>	Lumens	6903.1	157.0	7060.1
	% Fixture	97.8	2.2	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	0.9	0.0
10°-20°	58.0	0.8
20°-30°	272.9	3.9
30°-40°	600.9	8.5
40°-50°	900.9	12.8
50°-60°	1326.8	18.8
60°-70°	1842.3	26.1
70°-80°	1484.3	21.0
80°-90°	415.9	5.9
90°-100°	112.0	1.6
100°-110°	21.6	0.3
110°-120°	8.5	0.1
120°-130°	6.6	0.1
130°-140°	4.5	0.1
140°-150°	3.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6903.1	97.8
0°-180°	7060.1	100.0

**Coefficient of Utilization**

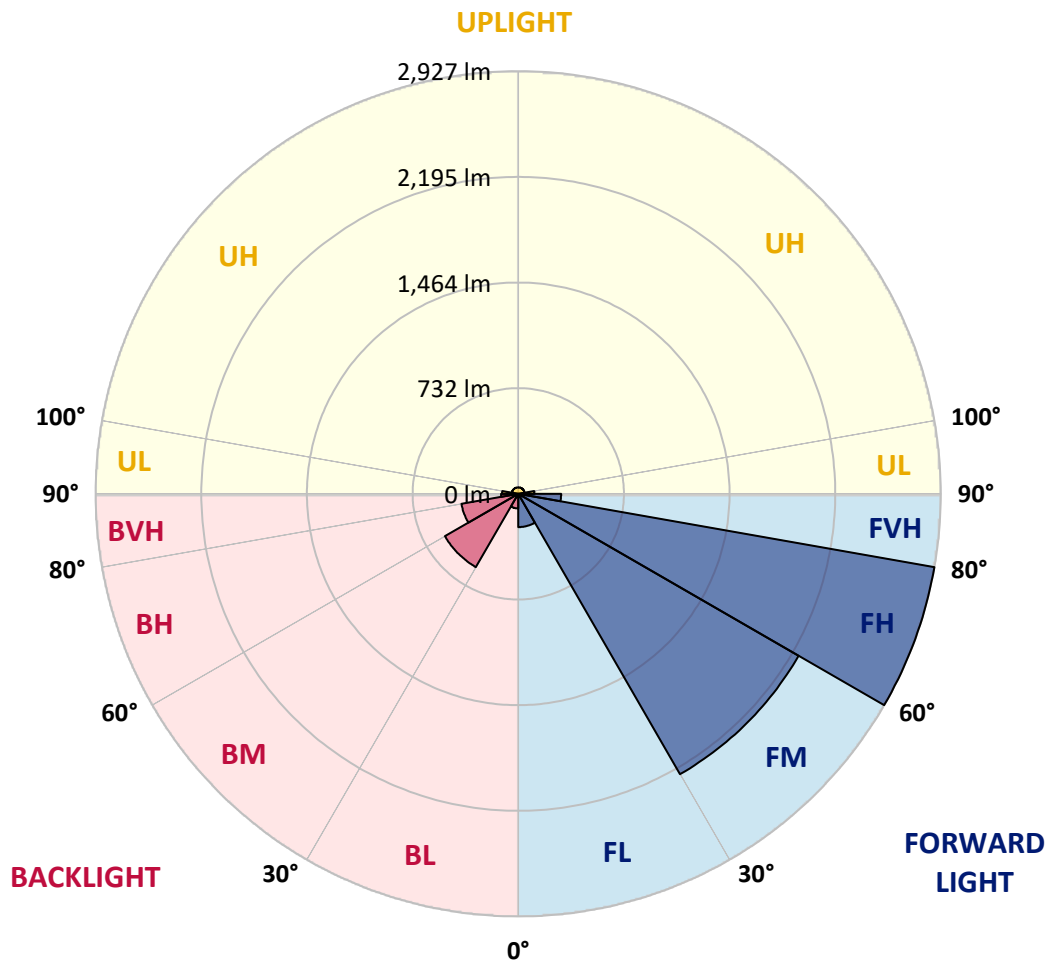


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	230.5	3.3			
FM (30°-60°)	2242.3	31.8			
FH (60°-80°)	2927.2	41.5			G2/5000
FVH (80°-90°)	296.9	4.2			G3/500
BL (0°-30°)	101.3	1.4	B0/110		
BM (30°-60°)	586.3	8.3	B1/1000		
BH (60°-80°)	399.4	5.7	B1/500		G1/500
BVH (80°-90°)	119.0	1.7			G2/225
UL (90°-100°)	112.0	1.6		U3/500	
UH (100°-180°)	45.0	0.6		U2/50	

**BUG Rating: B1-U3-G3**  
 Type IV Medium



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
5°	7.8	7.8	7.8	7.8	10.3	10.3	7.8	7.8	7.8	7.8	7.8
7.5°	12.9	12.9	10.3	10.3	10.3	10.3	10.3	10.3	7.8	7.8	7.8
10°	75.0	72.4	64.6	43.9	25.9	12.9	10.3	10.3	10.3	10.3	12.9
12.5°	328.3	325.7	328.3	307.6	82.7	43.9	20.7	20.7	31.0	41.4	54.3
15°	346.4	349.0	349.0	338.7	338.7	144.8	80.1	111.2	318.0	346.4	338.7
17.5°	455.0	439.5	377.4	361.9	369.7	367.1	318.0	318.0	369.7	390.4	385.2
20°	535.1	535.1	537.7	532.6	395.5	506.7	545.5	548.1	436.9	604.9	654.1
22.5°	599.8	604.9	579.1	558.4	602.4	524.8	592.0	592.0	739.4	829.9	796.2
25°	832.4	829.9	783.3	625.6	625.6	636.0	804.0	819.5	925.5	922.9	886.7
27.5°	959.1	959.1	907.4	814.3	692.8	726.4	827.3	863.5	1049.6	1334.0	1207.3
30°	1295.2	1300.4	1186.6	972.0	837.6	773.0	959.1	1023.7	1315.9	1401.2	1253.8
32.5°	1393.4	1396.0	1403.8	1243.5	969.5	858.3	1047.0	1093.6	1411.5	1773.5	1579.6
35°	1421.9	1427.0	1427.0	1313.3	1215.1	997.9	1065.1	1098.7	1680.4	1869.1	1582.2
37.5°	1514.9	1512.4	1491.7	1359.8	1310.7	1103.9	1176.3	1209.9	1791.6	2011.3	1574.4
40°	1646.8	1646.8	1613.2	1450.3	1349.5	1212.5	1253.8	1290.0	1920.8	2179.3	1579.6
42.5°	1799.3	1786.4	1747.6	1553.7	1411.5	1279.7	1357.2	1388.3	2055.3	2391.3	1587.3
45°	1982.9	1969.9	1892.4	1698.5	1520.1	1308.1	1432.2	1491.7	2207.8	2616.2	1633.9
47.5°	2158.7	2153.5	2065.6	1843.3	1628.7	1349.5	1489.1	1571.8	2391.3	2903.2	1724.3
50°	2375.8	2350.0	2236.2	1985.5	1726.9	1429.6	1636.4	1690.7	2585.2	3179.8	1861.4
52.5°	2572.3	2525.8	2406.8	2130.2	1845.9	1540.8	1861.4	1897.6	2807.6	3469.4	2019.1
55°	2763.6	2696.4	2533.5	2280.2	1959.6	1670.1	2104.4	2112.1	3060.9	3766.7	2213.0
57.5°	3050.6	2980.8	2745.5	2419.8	2109.5	1835.5	2339.6	2365.5	3311.7	4100.2	2440.5
60°	3448.7	3399.6	3115.2	2750.7	2375.8	2055.3	2621.4	2673.1	3559.9	4433.7	2665.4
62.5°	3601.2	3544.3	3329.8	3076.4	2755.9	2450.8	2970.4	3110.0	3784.8	4769.7	2926.5
65°	3187.6	3187.6	3073.8	3089.3	2993.7	3084.2	3466.8	3629.7	4048.5	5036.0	3151.4
67.5°	2073.4	2083.7	2156.1	2463.7	2805.0	3596.0	4322.5	4547.4	4449.2	5323.0	3340.1
70°	941.0	977.2	1134.9	1561.5	2135.4	3627.1	5307.5	5635.8	4914.5	5519.5	3407.3
72.5°	615.3	628.2	664.4	824.7	1256.4	3107.4	5853.0	6176.1	5338.5	5501.4	3285.8
75°	514.5	506.7	527.4	584.3	633.4	2132.8	5568.6	5837.4	5284.2	5175.6	2991.1
77.5°	426.6	418.8	439.5	470.5	374.9	1171.1	4630.1	4785.3	4570.7	4423.3	2440.5
80°	328.3	328.3	338.7	380.0	274.0	568.7	3440.9	3557.3	3384.1	3159.1	1460.7
82.5°	224.9	222.3	245.6	292.1	219.7	328.3	2350.0	2352.6	2021.6	1538.2	687.7
85°	100.8	100.8	121.5	168.0	129.3	204.2	1072.9	1111.6	687.7	491.2	307.6
87.5°	33.6	33.6	36.2	41.4	43.9	95.7	299.9	305.1	266.3	302.5	227.5
90°	31.0	31.0	31.0	31.0	33.6	93.1	268.9	268.9	237.8	281.8	227.5
92.5°	31.0	31.0	28.4	25.9	28.4	85.3	297.3	320.6	261.1	294.7	237.8
95°	31.0	31.0	25.9	23.3	25.9	62.0	297.3	318.0	274.0	255.9	214.6
97.5°	20.7	20.7	18.1	18.1	20.7	36.2	217.2	224.9	175.8	129.3	129.3
100°	18.1	18.1	12.9	12.9	15.5	20.7	116.3	124.1	85.3	41.4	41.4
102.5°	18.1	18.1	10.3	10.3	10.3	12.9	33.6	36.2	31.0	18.1	20.7
105°	20.7	20.7	10.3	7.8	7.8	10.3	15.5	15.5	18.1	15.5	20.7
107.5°	18.1	18.1	7.8	7.8	7.8	7.8	7.8	7.8	10.3	15.5	20.7
110°	12.9	10.3	7.8	7.8	5.2	7.8	7.8	7.8	7.8	12.9	18.1

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**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
112.5°	7.8	7.8	5.2	5.2	5.2	7.8	5.2	5.2	7.8	10.3	15.5
115°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	10.3	12.9
117.5°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	10.3	15.5
120°	7.8	7.8	5.2	2.6	5.2	5.2	5.2	5.2	5.2	10.3	15.5
122.5°	7.8	7.8	5.2	2.6	5.2	5.2	5.2	5.2	5.2	10.3	15.5
125°	7.8	7.8	5.2	2.6	5.2	2.6	5.2	5.2	5.2	10.3	12.9
127.5°	7.8	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2	7.8	12.9
130°	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2	7.8	12.9
132.5°	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2	7.8	10.3
135°	5.2	5.2	2.6	2.6	5.2	5.2	5.2	5.2	5.2	5.2	7.8
137.5°	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2	5.2	5.2	7.8
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°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8
147.5°	5.2	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8
150°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	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



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	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
2.5°	7.8	7.8	5.2	5.2	5.2	5.2	7.8	7.8	7.8	7.8	7.8
5°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8
7.5°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8
10°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8
12.5°	62.0	54.3	41.4	23.3	10.3	5.2	5.2	5.2	7.8	10.3	10.3
15°	323.2	302.5	243.0	160.3	51.7	12.9	7.8	23.3	72.4	98.2	95.7
17.5°	369.7	338.7	253.4	175.8	142.2	64.6	67.2	121.5	142.2	152.5	149.9
20°	638.6	527.4	312.8	204.2	165.5	155.1	137.0	155.1	175.8	188.7	191.3
22.5°	726.4	604.9	372.3	305.1	212.0	219.7	204.2	196.5	279.2	299.9	305.1
25°	785.9	628.2	390.4	343.8	323.2	255.9	281.8	289.5	323.2	336.1	338.7
27.5°	1008.2	739.4	480.9	393.0	361.9	323.2	333.5	333.5	369.7	431.7	434.3
30°	995.3	695.4	504.1	460.2	405.9	380.0	364.5	424.0	470.5	483.4	486.0
32.5°	1165.9	752.3	563.6	486.0	452.4	403.3	431.7	465.3	493.8	530.0	550.7
35°	1067.7	679.9	586.8	545.5	478.3	442.1	467.9	498.9	594.6	625.6	625.6
37.5°	959.1	620.5	566.2	550.7	514.5	470.5	478.3	563.6	607.5	594.6	594.6
40°	860.9	579.1	548.1	540.3	517.0	470.5	506.7	548.1	589.4	579.1	579.1
42.5°	798.8	553.2	530.0	524.8	506.7	462.8	491.2	540.3	586.8	568.7	566.2
45°	775.6	530.0	517.0	506.7	478.3	444.7	480.9	545.5	581.7	561.0	558.4
47.5°	798.8	517.0	504.1	491.2	455.0	416.2	486.0	537.7	571.3	540.3	535.1
50°	873.8	517.0	488.6	470.5	436.9	416.2	478.3	519.6	545.5	509.3	501.5
52.5°	972.0	527.4	473.1	447.2	418.8	413.6	467.9	509.3	524.8	486.0	483.4
55°	1106.5	545.5	452.4	429.1	390.4	403.3	467.9	511.9	506.7	462.8	460.2
57.5°	1243.5	566.2	434.3	416.2	372.3	390.4	462.8	514.5	483.4	429.1	429.1
60°	1390.9	592.0	411.1	400.7	359.3	372.3	447.2	509.3	460.2	403.3	403.3
62.5°	1538.2	604.9	393.0	385.2	343.8	354.2	429.1	493.8	452.4	398.1	398.1
65°	1657.1	592.0	374.9	364.5	323.2	333.5	403.3	480.9	439.5	400.7	403.3
67.5°	1724.3	555.8	356.8	349.0	302.5	312.8	372.3	452.4	418.8	398.1	403.3
70°	1693.3	493.8	333.5	323.2	281.8	294.7	343.8	418.8	405.9	398.1	405.9
72.5°	1558.9	447.2	305.1	299.9	255.9	274.0	325.7	390.4	390.4	413.6	416.2
75°	1388.3	398.1	281.8	276.6	237.8	250.8	318.0	356.8	364.5	395.5	403.3
77.5°	1127.2	333.5	248.2	253.4	232.7	232.7	302.5	336.1	343.8	380.0	382.6
80°	690.3	245.6	214.6	227.5	214.6	222.3	284.4	312.8	318.0	367.1	372.3
82.5°	343.8	173.2	183.6	201.6	191.3	219.7	271.4	297.3	323.2	372.3	374.9
85°	175.8	106.0	139.6	162.9	165.5	243.0	266.3	307.6	302.5	336.1	343.8
87.5°	111.2	54.3	80.1	87.9	124.1	230.1	235.3	253.4	248.2	287.0	287.0
90°	108.6	43.9	69.8	67.2	124.1	196.5	181.0	183.6	196.5	243.0	245.6
92.5°	113.7	41.4	72.4	67.2	131.8	155.1	144.8	139.6	155.1	183.6	188.7
95°	100.8	38.8	77.6	72.4	113.7	103.4	93.1	103.4	100.8	100.8	103.4
97.5°	59.5	28.4	75.0	72.4	90.5	54.3	62.0	77.6	59.5	43.9	41.4
100°	25.9	18.1	72.4	69.8	56.9	33.6	51.7	64.6	43.9	18.1	18.1
102.5°	15.5	15.5	51.7	64.6	33.6	18.1	38.8	43.9	25.9	15.5	15.5
105°	15.5	15.5	25.9	38.8	12.9	10.3	18.1	20.7	12.9	12.9	12.9
107.5°	15.5	15.5	12.9	12.9	10.3	10.3	10.3	10.3	10.3	12.9	12.9
110°	15.5	15.5	10.3	12.9	10.3	7.8	7.8	7.8	10.3	12.9	12.9

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**CANDELA DISTRIBUTION (continued):**

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