

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: P695939

Luminaire Tested: **LXF.LXT-PA16-740-U-SL3-TL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-30)
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-SL3-TL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 4000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS AND TEXTURED LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6814 lumens
Efficiency: N/A
Efficacy: 94.6 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

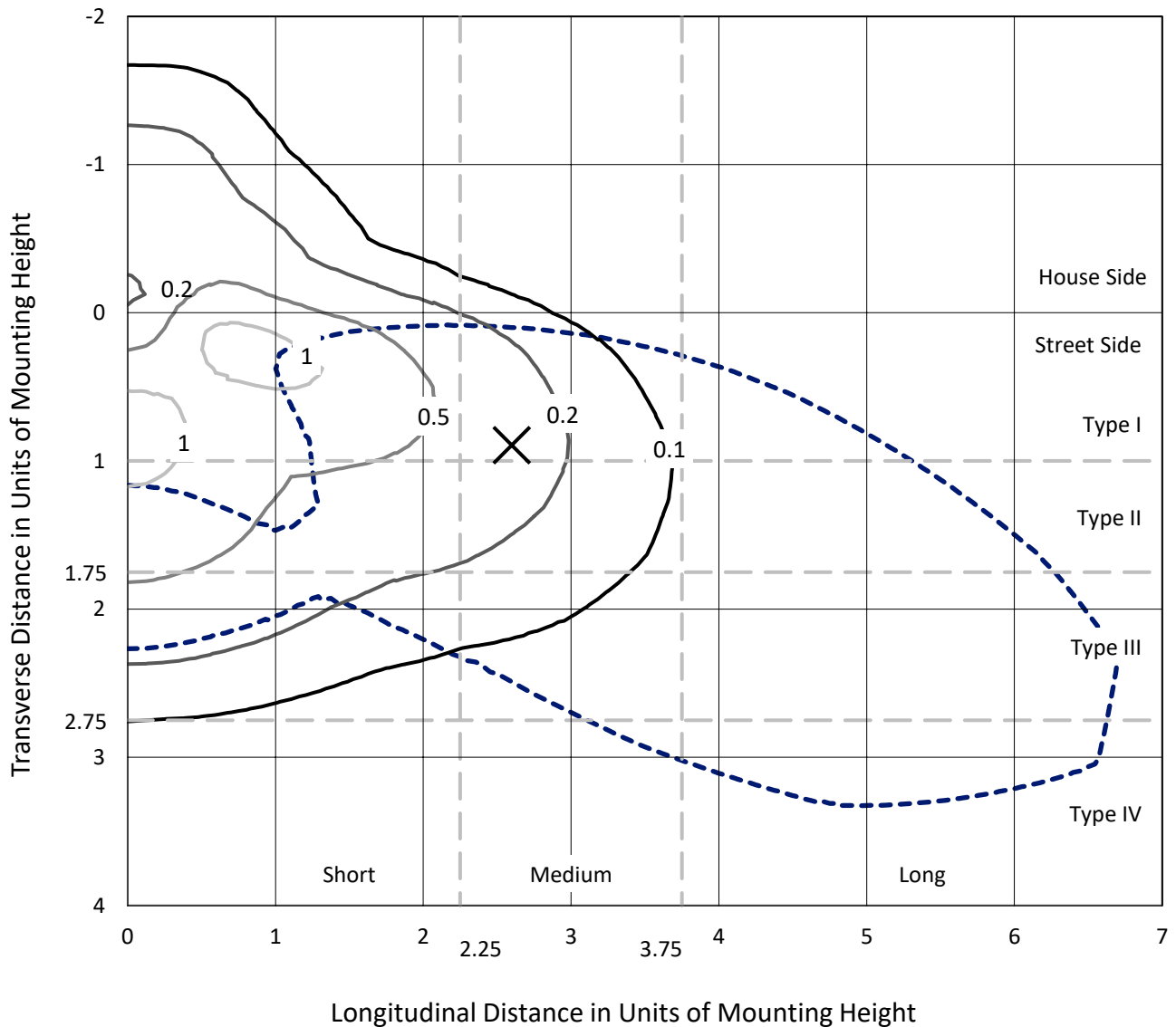
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

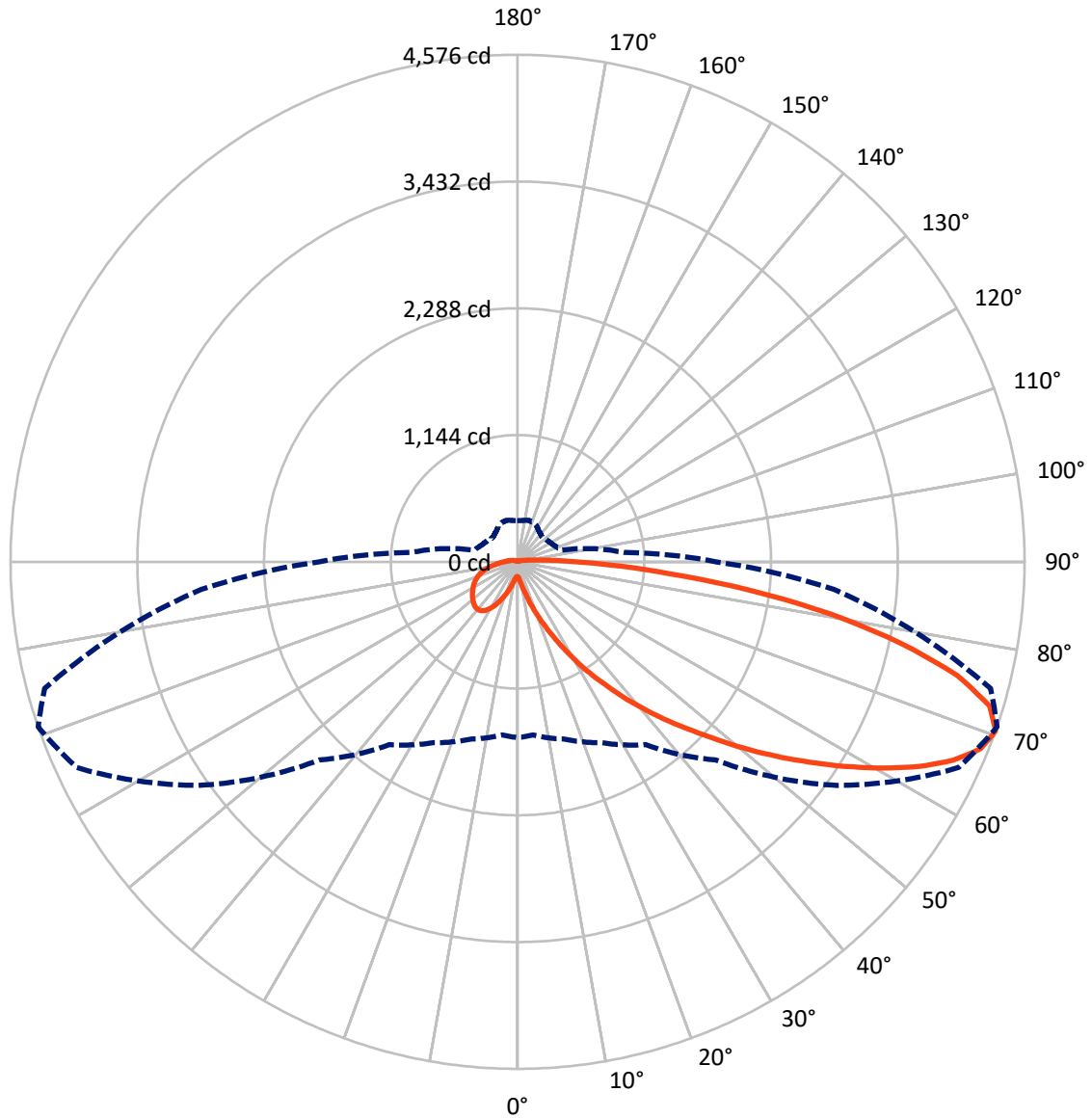
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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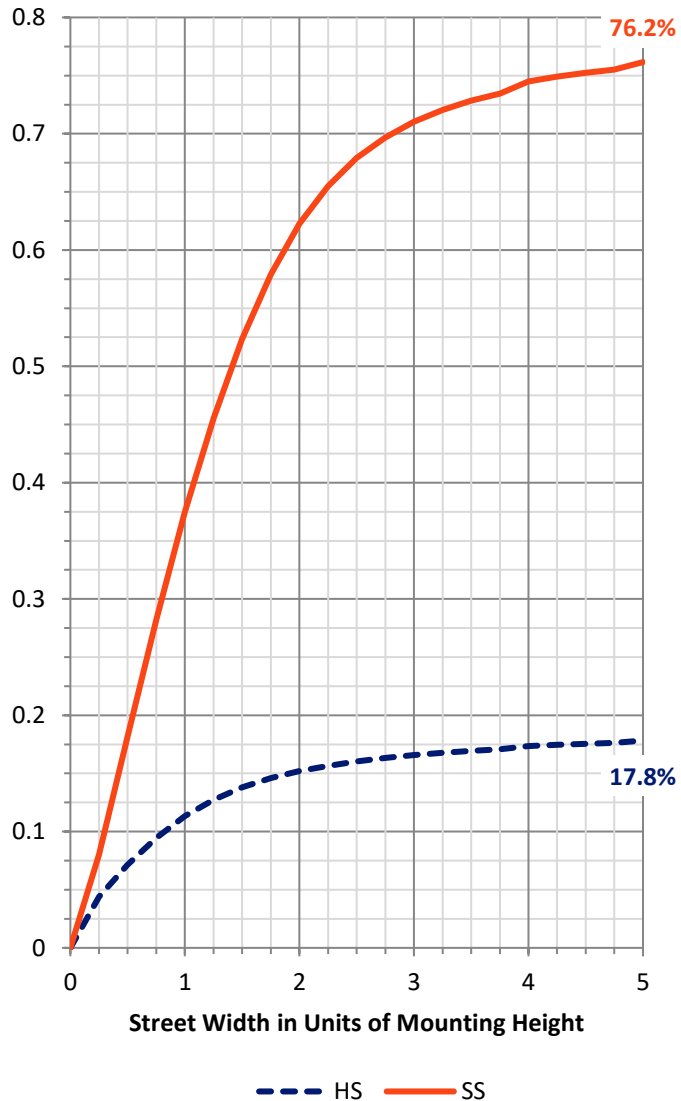
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1273.0	109.3	1382.3
	% Fixture	18.7	1.6	20.3
Street Side	Lumens	5312.6	119.1	5431.7
	% Fixture	78.0	1.7	79.7
Total	Lumens	6585.6	228.4	6814.0
	% Fixture	96.6	3.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	15.4	0.2
10°-20°	79.5	1.2
20°-30°	245.0	3.6
30°-40°	531.7	7.8
40°-50°	887.8	13.0
50°-60°	1315.3	19.3
60°-70°	1655.3	24.3
70°-80°	1329.9	19.5
80°-90°	525.6	7.7
90°-100°	126.7	1.9
100°-110°	49.8	0.7
110°-120°	24.8	0.4
120°-130°	14.1	0.2
130°-140°	8.4	0.1
140°-150°	4.2	0.1
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6585.6	96.6
0°-180°	6814.0	100.0

Coefficient of Utilization

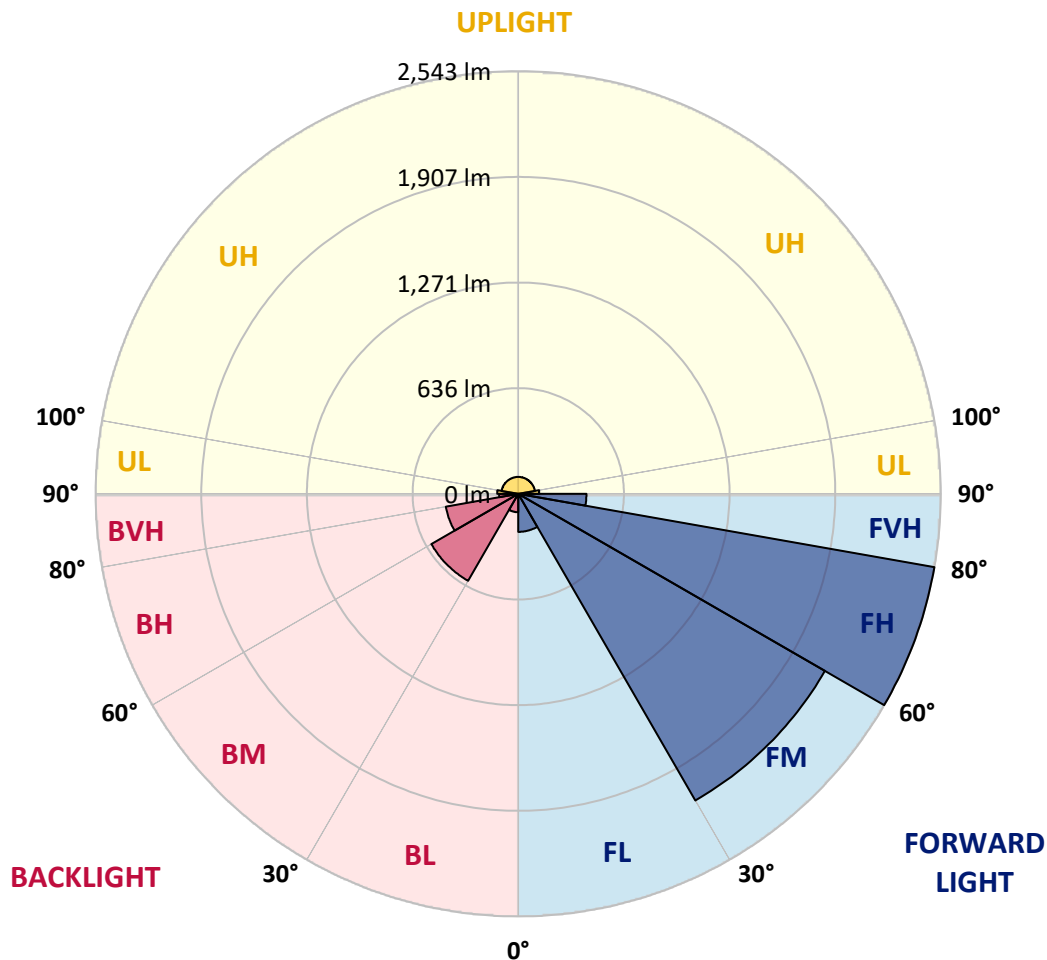


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	229.0	3.4			
FM (30°-60°)	2130.6	31.3			
FH (60°-80°)	2542.7	37.3			G2/5000
FVH (80°-90°)	410.3	6.0			G3/500
BL (0°-30°)	110.9	1.6	B1/500		
BM (30°-60°)	604.2	8.9	B1/1000		
BH (60°-80°)	442.6	6.5	B1/500		G1/500
BVH (80°-90°)	115.3	1.7			G2/225
UL (90°-100°)	126.7	1.9		U3/500	
UH (100°-180°)	101.7	1.5		U3/500	

BUG Rating: B1-U3-G3
 Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
0°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	150.0	150.0	150.0	150.0	150.0	147.4	144.8	144.8	142.2	142.2	139.6
5°	178.4	178.4	175.8	175.8	173.2	170.6	168.1	162.9	160.3	157.7	152.5
7.5°	212.0	209.4	206.8	206.8	206.8	201.7	196.5	191.3	186.1	181.0	173.2
10°	253.4	250.8	250.8	248.2	245.6	243.0	237.9	230.1	222.3	219.8	206.8
12.5°	302.5	299.9	302.5	299.9	292.2	292.2	289.6	279.2	274.1	268.9	250.8
15°	364.5	364.5	364.5	356.8	354.2	349.0	351.6	343.9	338.7	333.5	310.2
17.5°	442.1	442.1	436.9	429.2	418.8	418.8	421.4	421.4	424.0	408.5	377.5
20°	530.0	537.8	522.3	506.7	493.8	496.4	501.6	517.1	517.1	501.6	465.4
22.5°	643.8	636.0	628.3	597.2	576.5	571.4	592.1	617.9	620.5	617.9	561.0
25°	762.7	760.1	734.3	700.6	664.4	659.3	692.9	734.3	744.6	739.4	672.2
27.5°	889.4	889.4	863.5	804.1	752.4	744.6	786.0	858.4	881.6	884.2	791.1
30°	1054.8	1039.3	1003.1	923.0	855.8	832.5	892.0	995.4	1036.7	1039.3	920.4
32.5°	1197.0	1197.0	1145.3	1054.8	956.6	917.8	990.2	1142.7	1197.0	1191.9	1047.1
35°	1357.3	1344.4	1287.5	1176.4	1054.8	1005.7	1093.6	1290.1	1359.9	1359.9	1168.6
37.5°	1504.7	1489.2	1437.5	1305.6	1155.7	1091.0	1202.2	1437.5	1548.7	1548.7	1277.2
40°	1649.5	1646.9	1582.3	1432.3	1261.7	1173.8	1308.2	1605.5	1737.4	1727.0	1390.9
42.5°	1812.4	1802.0	1724.5	1564.2	1365.1	1264.3	1419.4	1781.3	1941.6	1926.1	1499.5
45°	1985.6	1962.3	1874.4	1701.2	1460.8	1357.3	1535.7	1954.6	2148.5	2153.6	1621.0
47.5°	2143.3	2138.1	2047.6	1843.4	1584.9	1455.6	1662.4	2171.7	2381.2	2368.2	1734.8
50°	2324.3	2313.9	2205.3	1983.0	1698.6	1569.3	1804.6	2386.3	2642.3	2629.4	1884.8
52.5°	2502.7	2482.0	2368.2	2130.4	1830.5	1693.4	1964.9	2621.6	2911.2	2882.7	2034.7
55°	2655.2	2647.5	2502.7	2277.7	1975.2	1825.3	2156.2	2880.1	3190.4	3177.5	2197.6
57.5°	2779.3	2763.8	2629.4	2407.0	2107.1	2003.7	2378.6	3138.7	3482.5	3451.5	2370.8
60°	2818.1	2802.6	2668.1	2494.9	2231.2	2187.3	2629.4	3428.2	3779.9	3738.5	2544.0
62.5°	2735.4	2719.8	2613.8	2502.7	2321.7	2363.1	2906.0	3735.9	4069.4	4028.1	2712.1
65°	2466.5	2458.7	2417.4	2396.7	2337.2	2500.1	3200.7	4007.4	4317.6	4247.8	2849.1
67.5°	2063.2	2073.5	2078.7	2156.2	2241.5	2577.6	3407.6	4255.6	4506.4	4408.1	2895.7
70°	1587.4	1569.3	1657.2	1802.0	2014.0	2528.5	3518.7	4392.6	4576.2	4418.5	2864.6
72.5°	1129.8	1132.4	1230.7	1422.0	1724.5	2368.2	3498.1	4343.5	4454.6	4271.1	2717.3
75°	780.8	775.6	850.6	1039.3	1375.4	2068.3	3247.3	4113.4	4103.0	3919.5	2401.8
77.5°	524.8	540.3	594.6	736.8	1044.5	1724.5	2859.5	3573.0	3536.8	3306.7	2024.4
80°	369.7	364.5	421.4	527.4	729.1	1339.2	2319.1	2918.9	2875.0	2598.3	1579.7
82.5°	248.2	261.1	297.3	364.5	522.3	987.6	1758.1	2161.4	2112.3	1887.3	1106.6
85°	162.9	168.1	201.7	256.0	362.0	680.0	1202.2	1458.2	1370.3	1230.7	723.9
87.5°	103.4	108.6	134.4	175.8	250.8	457.6	798.9	899.7	832.5	775.6	439.5
90°	62.0	67.2	87.9	121.5	173.2	307.7	483.5	522.3	465.4	424.0	266.3
92.5°	44.0	46.5	62.0	87.9	126.7	206.8	299.9	299.9	274.1	235.3	168.1
95°	31.0	33.6	46.5	67.2	95.7	142.2	188.7	178.4	157.7	147.4	113.8
97.5°	25.9	25.9	38.8	54.3	77.6	108.6	124.1	113.8	106.0	98.2	85.3
100°	20.7	23.3	33.6	46.5	64.6	82.7	90.5	82.7	75.0	72.4	64.6
102.5°	18.1	20.7	28.4	41.4	54.3	67.2	69.8	62.0	59.5	54.3	49.1
105°	15.5	18.1	23.3	36.2	46.5	56.9	56.9	51.7	46.5	44.0	38.8
107.5°	15.5	15.5	20.7	31.0	41.4	46.5	49.1	41.4	36.2	33.6	31.0
110°	12.9	12.9	18.1	25.9	36.2	41.4	41.4	33.6	28.4	25.9	23.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	71°	75°	85°
112.5°	12.9	12.9	18.1	23.3	31.0	36.2	33.6	28.4	23.3	20.7	20.7
115°	12.9	12.9	15.5	20.7	28.4	31.0	28.4	23.3	20.7	18.1	18.1
117.5°	10.3	12.9	15.5	20.7	25.9	28.4	25.9	20.7	18.1	15.5	15.5
120°	10.3	10.3	12.9	18.1	20.7	23.3	23.3	18.1	15.5	12.9	15.5
122.5°	10.3	10.3	12.9	15.5	20.7	20.7	20.7	15.5	12.9	12.9	12.9
125°	10.3	10.3	12.9	15.5	18.1	18.1	18.1	12.9	12.9	10.3	12.9
127.5°	10.3	10.3	10.3	12.9	15.5	18.1	15.5	12.9	10.3	10.3	12.9
130°	10.3	10.3	10.3	12.9	15.5	15.5	12.9	10.3	10.3	10.3	10.3
132.5°	10.3	10.3	10.3	12.9	12.9	12.9	12.9	10.3	10.3	10.3	10.3
135°	10.3	10.3	10.3	10.3	12.9	12.9	10.3	10.3	7.8	7.8	10.3
137.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	7.8	7.8	7.8	10.3
140°	10.3	7.8	7.8	10.3	10.3	10.3	7.8	7.8	7.8	7.8	7.8
142.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.2	7.8	7.8	7.8
145°	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	7.8
147.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
150°	5.2	5.2	5.2	5.2	5.2	5.2	2.6	5.2	5.2	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0	137.0
2.5°	137.0	137.0	134.4	131.9	129.3	126.7	126.7	126.7	126.7	124.1	124.1
5°	147.4	144.8	139.6	134.4	129.3	124.1	121.5	118.9	116.3	116.3	113.8
7.5°	168.1	162.9	152.5	142.2	134.4	126.7	121.5	116.3	113.8	111.2	111.2
10°	199.1	191.3	173.2	157.7	144.8	131.9	124.1	118.9	116.3	113.8	113.8
12.5°	237.9	227.5	201.7	178.4	157.7	142.2	134.4	126.7	124.1	121.5	121.5
15°	294.7	274.1	240.4	206.8	178.4	157.7	147.4	144.8	142.2	142.2	142.2
17.5°	356.8	333.5	281.8	235.3	199.1	178.4	168.1	165.5	168.1	168.1	168.1
20°	431.8	398.2	328.3	268.9	224.9	204.2	196.5	193.9	199.1	201.7	204.2
22.5°	519.7	468.0	374.9	302.5	256.0	232.7	222.3	224.9	232.7	240.4	240.4
25°	617.9	553.3	426.6	336.1	287.0	261.1	253.4	263.7	274.1	284.4	287.0
27.5°	713.6	630.8	478.3	372.3	318.0	287.0	287.0	297.3	323.2	333.5	338.7
30°	814.4	703.2	519.7	408.5	349.0	315.4	318.0	341.3	369.7	385.2	390.4
32.5°	904.9	770.5	553.3	439.5	374.9	343.9	346.4	377.5	416.2	436.9	439.5
35°	995.4	819.6	581.7	468.0	398.2	364.5	374.9	416.2	457.6	480.9	483.5
37.5°	1062.6	858.4	594.6	486.1	418.8	380.1	395.6	447.3	493.8	514.5	517.1
40°	1124.7	881.6	599.8	499.0	431.8	395.6	413.7	473.1	519.7	540.3	540.3
42.5°	1171.2	889.4	597.2	504.2	442.1	403.3	426.6	491.2	537.8	553.3	555.9
45°	1220.3	897.1	586.9	504.2	444.7	408.5	431.8	499.0	545.5	555.9	555.9
47.5°	1272.0	902.3	574.0	499.0	442.1	408.5	436.9	504.2	545.5	550.7	550.7
50°	1344.4	915.2	558.4	488.6	436.9	405.9	436.9	504.2	540.3	535.2	535.2
52.5°	1411.6	933.3	542.9	478.3	429.2	400.7	434.3	501.6	530.0	517.1	517.1
55°	1494.4	946.3	524.8	462.8	418.8	393.0	426.6	491.2	514.5	499.0	496.4
57.5°	1587.4	972.1	509.3	444.7	405.9	385.2	418.8	480.9	499.0	475.7	473.1
60°	1683.1	992.8	491.2	429.2	393.0	372.3	405.9	465.4	478.3	455.0	452.4
62.5°	1755.5	1010.9	473.1	413.7	380.1	359.4	393.0	447.3	457.6	434.3	431.8
65°	1817.5	1018.6	452.4	395.6	364.5	346.4	377.5	426.6	434.3	413.7	411.1
67.5°	1833.1	1003.1	426.6	374.9	346.4	330.9	356.8	403.3	413.7	395.6	390.4
70°	1794.3	961.8	403.3	356.8	330.9	312.8	336.1	377.5	387.8	372.3	372.3
72.5°	1677.9	892.0	374.9	333.5	310.2	292.2	312.8	349.0	362.0	354.2	349.0
75°	1496.9	786.0	341.3	310.2	287.0	271.5	287.0	320.6	333.5	330.9	330.9
77.5°	1238.4	669.6	305.1	279.2	263.7	248.2	263.7	289.6	305.1	307.7	305.1
80°	954.0	530.0	263.7	248.2	237.9	224.9	237.9	261.1	274.1	279.2	276.6
82.5°	687.7	403.3	222.3	217.2	209.4	204.2	209.4	227.5	245.6	248.2	248.2
85°	475.7	292.2	186.1	186.1	181.0	178.4	183.6	196.5	209.4	214.6	214.6
87.5°	307.7	209.4	150.0	155.1	157.7	155.1	157.7	162.9	175.8	181.0	178.4
90°	201.7	150.0	124.1	129.3	134.4	134.4	131.9	134.4	147.4	150.0	150.0
92.5°	134.4	113.8	106.0	108.6	113.8	116.3	113.8	113.8	121.5	124.1	121.5
95°	100.8	93.1	90.5	93.1	98.2	98.2	98.2	95.7	100.8	103.4	100.8
97.5°	77.6	75.0	77.6	80.1	85.3	85.3	85.3	82.7	85.3	85.3	82.7
100°	62.0	62.0	67.2	69.8	72.4	72.4	72.4	72.4	72.4	67.2	67.2
102.5°	49.1	51.7	56.9	62.0	62.0	64.6	62.0	62.0	59.5	56.9	54.3
105°	41.4	41.4	49.1	51.7	54.3	54.3	54.3	51.7	49.1	44.0	44.0
107.5°	31.0	33.6	41.4	44.0	46.5	46.5	46.5	44.0	41.4	36.2	36.2
110°	25.9	28.4	33.6	38.8	41.4	41.4	41.4	38.8	33.6	28.4	28.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.3	23.3	28.4	33.6	33.6	36.2	36.2	33.6	28.4	23.3	25.9
115°	18.1	20.7	25.9	28.4	31.0	31.0	31.0	28.4	23.3	20.7	20.7
117.5°	18.1	18.1	23.3	25.9	25.9	28.4	25.9	23.3	20.7	18.1	18.1
120°	15.5	18.1	20.7	23.3	23.3	23.3	23.3	20.7	18.1	18.1	18.1
122.5°	15.5	15.5	18.1	20.7	20.7	20.7	20.7	18.1	15.5	15.5	15.5
125°	12.9	15.5	15.5	18.1	18.1	18.1	18.1	15.5	15.5	15.5	15.5
127.5°	12.9	12.9	15.5	15.5	15.5	15.5	15.5	15.5	12.9	12.9	12.9
130°	12.9	12.9	12.9	15.5	15.5	15.5	15.5	12.9	12.9	12.9	12.9
132.5°	10.3	10.3	12.9	12.9	12.9	12.9	12.9	12.9	10.3	12.9	12.9
135°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
137.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3
140°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	10.3	10.3
142.5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
145°	7.8	7.8	7.8	5.2	5.2	5.2	7.8	7.8	7.8	7.8	7.8
147.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8
150°	5.2	5.2	5.2	5.2	2.6	5.2	5.2	5.2	5.2	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)