

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: P695972

Luminaire Tested: **LXF.LXT-PA16-750-U-T2R-CL**

Issue Date: 7/5/2023

Test Information

Test Method: LM-79-08
Report Number: P695972
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2306-062-8)
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-T2R-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 70 CRI, 5000K, 1340mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY
OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7280.1 lumens
Efficiency: N/A
Efficacy: 101.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

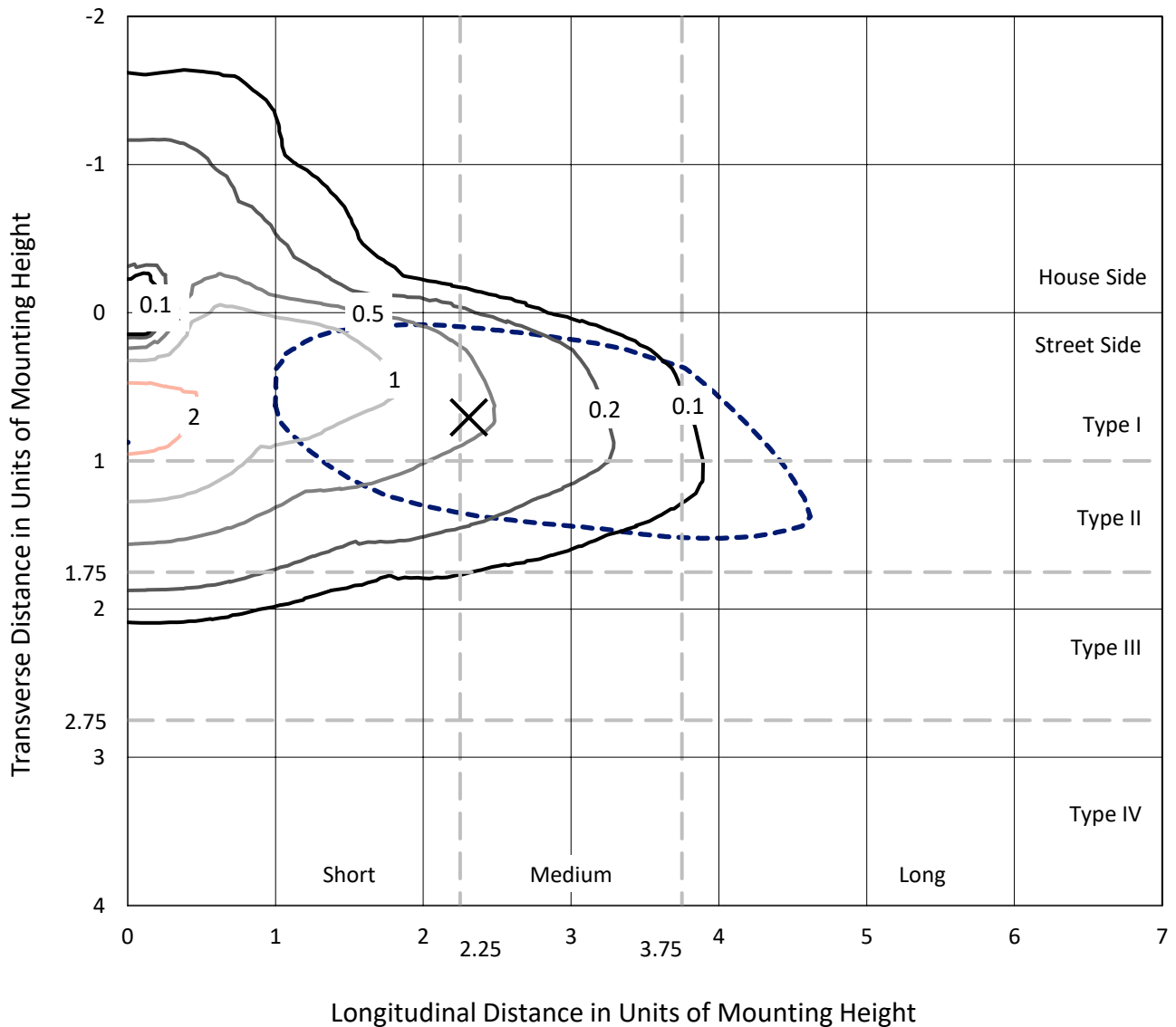
Input Watts (W): 72
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

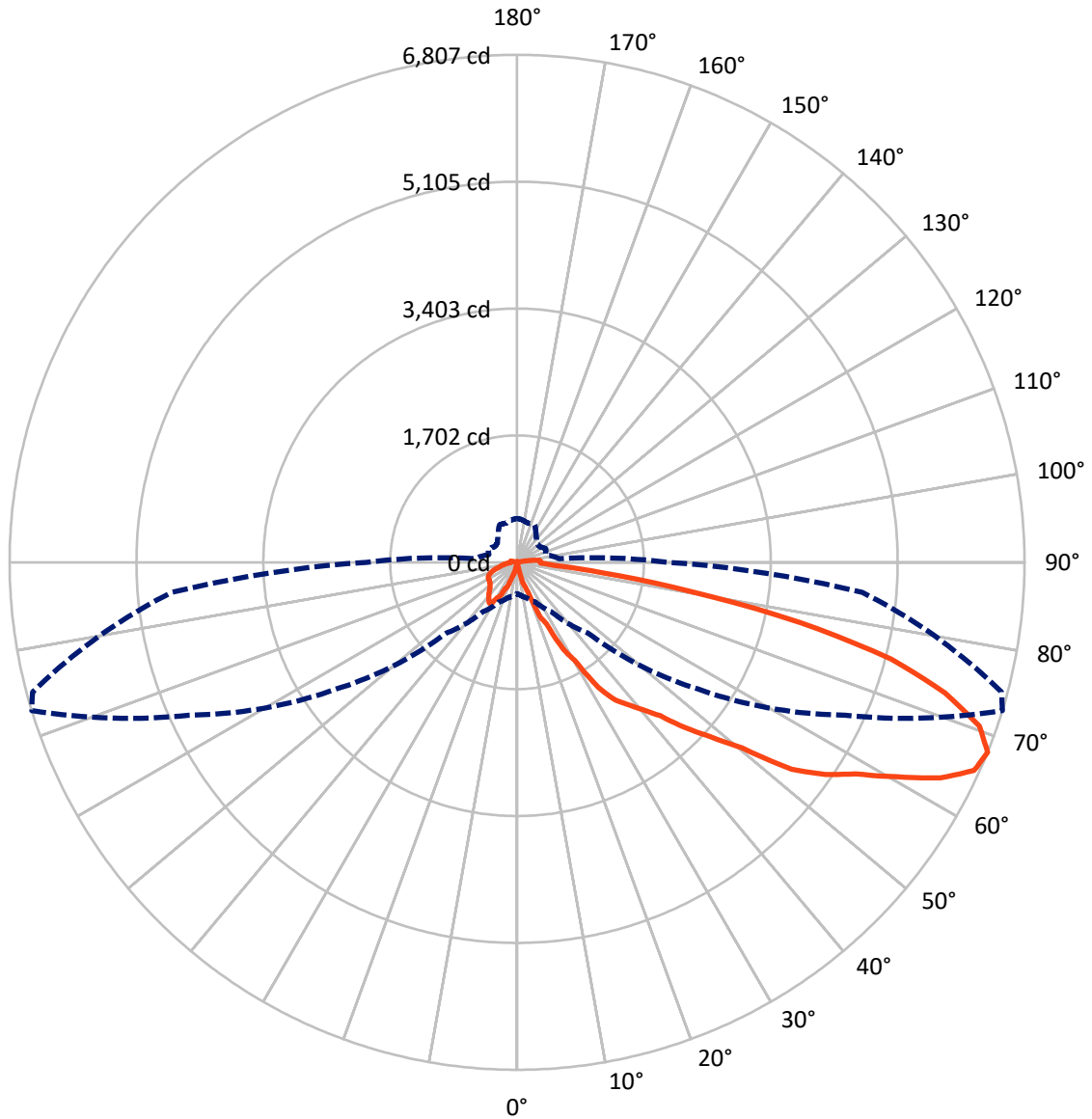
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 73-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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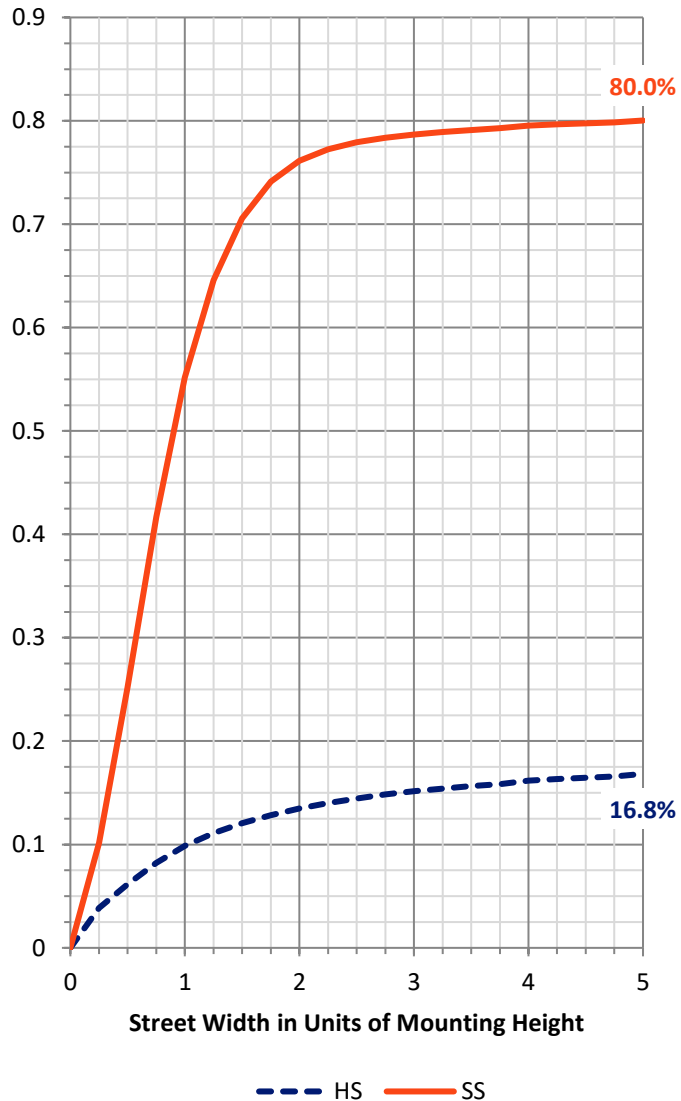
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1286.9	54.8	1341.7
	% Fixture	17.7	0.8	18.4
Street Side	Lumens	5871.0	67.4	5938.3
	% Fixture	80.6	0.9	81.6
Total	Lumens	7157.9	122.2	7280.1
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	0.7	0.0
10°-20°	58.9	0.8
20°-30°	364.4	5.0
30°-40°	916.7	12.6
40°-50°	1323.7	18.2
50°-60°	1618.9	22.2
60°-70°	1596.1	21.9
70°-80°	1004.1	13.8
80°-90°	274.5	3.8
90°-100°	79.8	1.1
100°-110°	17.1	0.2
110°-120°	8.8	0.1
120°-130°	7.3	0.1
130°-140°	5.1	0.1
140°-150°	3.7	0.1
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7157.9	98.3
0°-180°	7280.1	100.0

Coefficient of Utilization

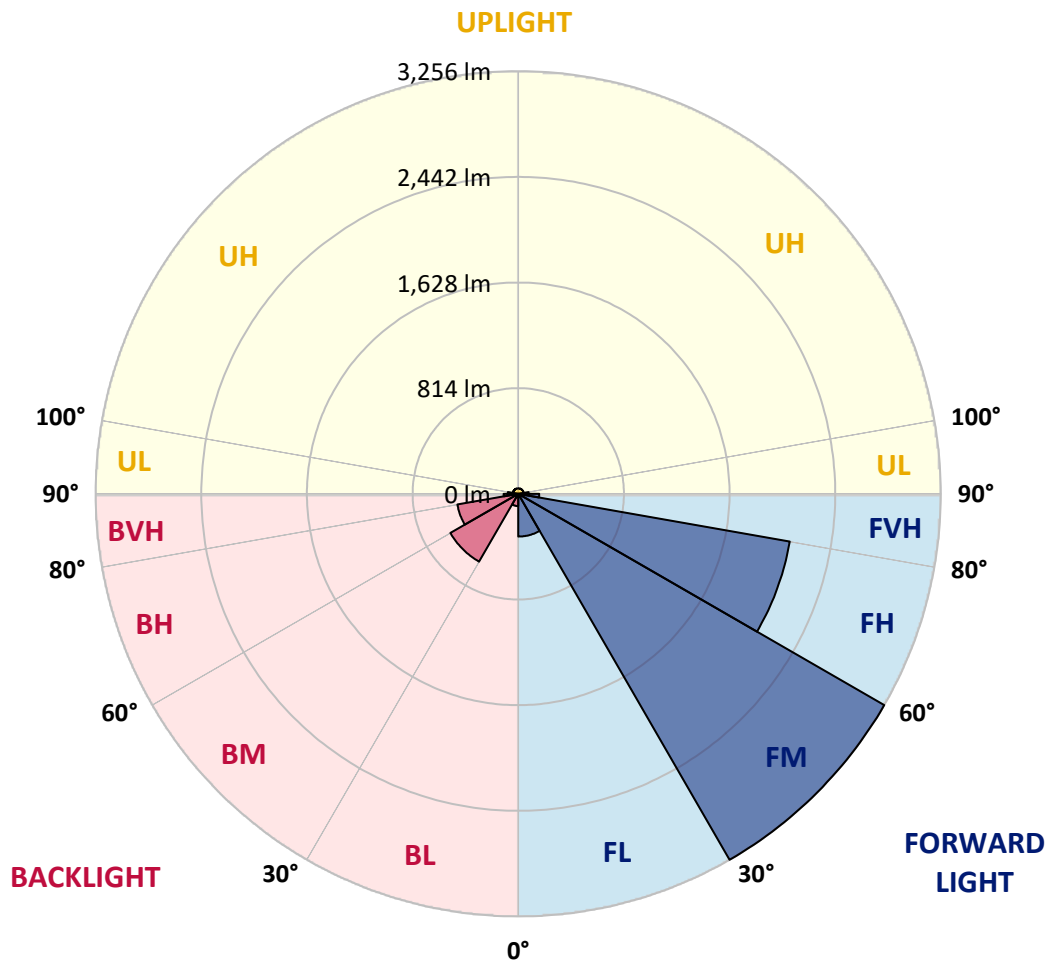


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	329.5	4.5			
FM (30°-60°)	3255.6	44.7			
FH (60°-80°)	2124.1	29.2			G2/5000
FVH (80°-90°)	161.7	2.2			G2/225
BL (0°-30°)	94.5	1.3	B0/110		
BM (30°-60°)	603.6	8.3	B1/1000		
BH (60°-80°)	476.0	6.5	B1/500		G1/500
BVH (80°-90°)	112.8	1.5			G2/225
UL (90°-100°)	79.8	1.1		U3/500	
UH (100°-180°)	42.3	0.6		U2/50	

BUG Rating: B1-U3-G2
 Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	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°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2
5°	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2
7.5°	10.3	12.9	10.3	10.3	10.3	10.3	10.3	7.8	5.2	5.2	5.2
10°	43.9	41.4	28.4	25.9	15.5	12.9	10.3	7.8	7.8	7.8	7.8
12.5°	346.4	343.8	336.1	302.5	51.7	25.9	15.5	20.7	28.4	33.6	38.8
15°	398.1	403.3	395.5	387.8	374.8	124.1	54.3	299.9	279.2	268.9	206.8
17.5°	718.7	537.7	473.1	462.7	434.3	364.5	330.9	367.1	333.5	323.1	250.8
20°	987.5	982.4	964.3	930.7	522.2	664.4	635.9	431.7	436.9	462.7	493.8
22.5°	1103.9	1098.7	1075.4	1039.2	1085.8	765.2	721.3	801.4	793.6	770.4	597.2
25°	1809.6	1786.3	1659.7	1209.8	1212.4	1067.7	1106.4	1031.5	910.0	886.7	695.4
27.5°	1962.1	1975.0	1944.0	1765.7	1388.2	1421.8	1215.0	1186.6	1323.6	1362.4	1052.2
30°	2623.9	2686.0	2388.7	2013.8	1819.9	1553.7	1489.0	1628.6	1530.4	1486.5	1150.4
32.5°	3066.0	3037.5	2980.7	2512.8	2065.5	1861.3	1858.7	1796.7	2003.5	1998.3	1615.7
35°	3241.8	3218.5	3161.6	2753.2	2375.7	2184.4	2021.6	2233.6	2267.2	2181.9	1724.3
37.5°	3373.6	3347.8	3280.5	2841.1	2623.9	2316.3	2383.5	2393.8	2424.9	2406.8	1819.9
40°	3381.4	3365.9	3319.3	2965.2	2760.9	2419.7	2582.6	2605.8	2598.1	2644.6	1941.4
42.5°	3352.9	3321.9	3293.5	2988.4	2833.3	2499.8	2735.1	2869.5	2812.6	2879.8	2083.6
45°	3241.8	3205.6	3192.6	2988.4	2823.0	2554.1	2913.5	3117.7	3161.6	3102.2	2238.7
47.5°	3053.1	3045.3	3050.5	2918.6	2812.6	2616.2	3084.1	3306.4	3497.7	3404.6	2466.2
50°	2861.8	2874.7	2910.9	2838.5	2781.6	2652.4	3301.2	3632.1	3913.9	3787.2	2807.5
52.5°	2559.3	2577.4	2680.8	2709.2	2693.7	2649.8	3469.3	4071.6	4611.9	4436.1	3161.6
55°	2282.7	2293.0	2362.8	2466.2	2525.7	2595.5	3536.5	4265.5	5022.9	4823.9	3391.7
57.5°	1967.3	1946.6	2037.1	2187.0	2321.5	2520.5	3606.3	4418.0	5353.8	5245.2	3691.6
60°	1592.4	1548.5	1680.3	1819.9	2024.2	2365.4	3650.2	4681.7	5839.8	5777.8	4128.5
62.5°	1072.8	1093.5	1225.4	1414.1	1698.4	2104.3	3601.1	4922.1	6367.2	6331.0	4493.0
65°	674.7	703.2	788.5	951.3	1240.9	1770.8	3394.3	5035.9	6734.3	6672.2	4702.4
67.5°	421.4	439.5	493.8	592.0	814.3	1341.7	2965.2	4852.3	6806.7	6726.5	4650.7
70°	349.0	354.2	361.9	385.2	501.5	928.1	2357.6	4376.6	6576.6	6589.5	4436.1
72.5°	312.8	318.0	318.0	315.4	323.1	581.7	1680.3	3712.3	6002.7	6002.7	4009.6
75°	287.0	289.5	281.8	279.2	274.0	361.9	1026.3	2941.9	5183.2	5085.0	3350.3
77.5°	253.3	258.5	250.8	250.8	248.2	276.6	594.6	2243.9	3882.9	3717.4	2259.4
80°	217.2	217.2	217.2	217.2	219.7	219.7	372.3	1540.7	2339.6	2156.0	1220.2
82.5°	173.2	170.6	175.8	186.1	181.0	168.0	287.0	897.0	1134.9	1028.9	602.3
85°	67.2	82.7	95.7	116.3	121.5	116.3	219.7	442.1	483.4	517.0	372.3
87.5°	38.8	38.8	31.0	31.0	33.6	46.5	137.0	266.3	312.8	351.6	328.3
90°	41.4	41.4	31.0	28.4	28.4	38.8	118.9	243.0	318.0	354.2	333.5
92.5°	43.9	43.9	31.0	28.4	28.4	31.0	98.2	217.2	315.4	361.9	325.7
95°	38.8	41.4	28.4	25.9	28.4	28.4	72.4	173.2	292.1	297.3	305.0
97.5°	25.9	28.4	18.1	20.7	25.9	23.3	38.8	100.8	155.1	118.9	142.2
100°	15.5	18.1	12.9	15.5	18.1	18.1	20.7	43.9	38.8	25.9	25.9
102.5°	15.5	15.5	10.3	12.9	12.9	10.3	10.3	18.1	15.5	15.5	25.9
105°	15.5	15.5	10.3	10.3	7.8	7.8	7.8	12.9	12.9	15.5	25.9
107.5°	10.3	12.9	7.8	7.8	7.8	7.8	5.2	7.8	12.9	12.9	28.4
110°	7.8	7.8	5.2	5.2	5.2	7.8	5.2	7.8	10.3	12.9	20.7

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	73°	75°	85°
112.5°	5.2	7.8	5.2	5.2	5.2	5.2	5.2	7.8	10.3	10.3	12.9
115°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	10.3	15.5
117.5°	7.8	7.8	5.2	5.2	2.6	5.2	5.2	5.2	7.8	10.3	15.5
120°	7.8	7.8	5.2	5.2	2.6	2.6	5.2	5.2	10.3	10.3	15.5
122.5°	7.8	7.8	5.2	2.6	2.6	2.6	5.2	5.2	7.8	10.3	15.5
125°	7.8	7.8	5.2	2.6	2.6	2.6	5.2	5.2	7.8	10.3	12.9
127.5°	7.8	7.8	5.2	2.6	2.6	2.6	5.2	5.2	7.8	7.8	12.9
130°	7.8	7.8	5.2	2.6	2.6	2.6	5.2	5.2	7.8	7.8	12.9
132.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	10.3
135°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8
137.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
140°	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
142.5°	7.8	7.8	7.8	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2
145°	10.3	10.3	10.3	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2
147.5°	10.3	10.3	10.3	7.8	7.8	5.2	5.2	5.2	5.2	5.2	5.2
150°	10.3	12.9	10.3	7.8	5.2	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

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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	7.8	7.8	7.8
5°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2
7.5°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	5.2	5.2	5.2
10°	7.8	5.2	5.2	2.6	2.6	2.6	2.6	2.6	5.2	5.2	2.6
12.5°	38.8	38.8	28.4	12.9	5.2	2.6	2.6	2.6	7.8	7.8	7.8
15°	188.7	170.6	152.5	134.4	36.2	5.2	5.2	23.3	87.9	124.1	129.3
17.5°	219.7	199.1	178.4	162.9	144.8	54.3	59.5	155.1	160.3	162.9	160.3
20°	424.0	377.4	245.6	186.1	160.3	168.0	147.4	165.4	178.4	183.5	183.5
22.5°	504.1	434.3	372.3	325.7	191.3	230.1	214.6	191.3	297.3	305.0	307.6
25°	584.2	493.8	400.7	346.4	333.5	237.8	253.3	292.1	315.4	320.6	318.0
27.5°	853.1	703.2	561.0	374.8	354.2	297.3	318.0	307.6	336.1	411.0	418.8
30°	917.7	731.6	571.3	455.0	372.3	349.0	328.3	400.7	434.3	434.3	436.9
32.5°	1271.9	977.2	703.2	455.0	411.0	351.6	392.9	418.8	439.5	470.5	460.2
35°	1331.3	987.5	695.4	527.4	411.0	369.7	405.9	431.7	527.4	537.7	535.1
37.5°	1380.5	977.2	656.6	511.9	444.6	392.9	413.6	493.8	532.5	530.0	524.8
40°	1434.8	961.7	617.8	501.5	442.1	395.5	442.1	496.3	519.6	506.7	493.8
42.5°	1496.8	938.4	584.2	478.3	431.7	398.1	444.6	483.4	480.8	473.1	465.3
45°	1576.9	912.6	545.5	457.6	426.5	392.9	436.9	449.8	467.9	462.7	457.6
47.5°	1695.9	886.7	511.9	439.5	421.4	385.2	442.1	457.6	473.1	460.2	457.6
50°	1871.6	850.5	483.4	434.3	418.8	408.5	405.9	470.5	483.4	452.4	447.2
52.5°	1990.6	809.1	467.9	429.1	411.0	398.1	431.7	465.3	478.3	442.1	439.5
55°	2070.7	749.7	455.0	429.1	405.9	374.8	467.9	475.7	475.7	434.3	429.1
57.5°	2158.6	708.3	447.2	436.9	403.3	349.0	488.6	486.0	475.7	421.4	424.0
60°	2285.3	682.5	439.5	444.6	403.3	356.7	480.8	509.3	475.7	429.1	444.6
62.5°	2357.6	656.6	434.3	447.2	398.1	356.7	465.3	542.9	514.4	480.8	483.4
65°	2256.8	623.0	418.8	444.6	390.4	364.5	449.8	555.8	550.6	535.1	537.7
67.5°	2026.8	566.1	390.4	426.5	364.5	369.7	442.1	555.8	545.5	579.1	586.8
70°	1770.8	498.9	349.0	395.5	346.4	364.5	460.2	537.7	537.7	599.8	612.7
72.5°	1499.4	408.5	302.5	361.9	346.4	354.2	480.8	517.0	517.0	599.8	597.2
75°	1230.5	325.7	253.3	310.2	320.6	354.2	478.3	493.8	480.8	548.0	535.1
77.5°	899.6	258.5	217.2	261.1	289.5	354.2	462.7	460.2	439.5	470.5	465.3
80°	553.2	204.2	183.5	222.3	243.0	338.7	436.9	418.8	382.6	398.1	392.9
82.5°	320.6	152.5	155.1	188.7	193.9	310.2	395.5	364.5	325.7	333.5	325.7
85°	206.8	98.2	121.5	144.8	152.5	253.3	338.7	307.6	263.7	341.2	325.7
87.5°	160.3	56.9	82.7	95.7	93.1	111.2	193.9	183.5	181.0	147.4	142.2
90°	149.9	49.1	82.7	82.7	67.2	54.3	75.0	77.6	64.6	69.8	62.0
92.5°	134.4	49.1	87.9	82.7	59.5	43.9	62.0	62.0	49.1	46.5	43.9
95°	111.2	43.9	93.1	85.3	54.3	38.8	51.7	49.1	38.8	36.2	33.6
97.5°	59.5	28.4	87.9	77.6	49.1	36.2	46.5	41.4	28.4	25.9	23.3
100°	20.7	18.1	85.3	67.2	41.4	28.4	33.6	31.0	18.1	15.5	12.9
102.5°	18.1	15.5	49.1	49.1	25.9	15.5	20.7	20.7	15.5	12.9	12.9
105°	20.7	15.5	18.1	25.9	12.9	7.8	10.3	12.9	12.9	15.5	15.5
107.5°	20.7	15.5	12.9	12.9	10.3	7.8	7.8	7.8	12.9	15.5	15.5
110°	18.1	15.5	10.3	12.9	10.3	7.8	7.8	7.8	12.9	18.1	18.1

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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	12.9	18.1	20.7
115°	12.9	12.9	7.8	7.8	7.8	7.8	5.2	7.8	12.9	20.7	23.3
117.5°	15.5	12.9	7.8	7.8	5.2	5.2	5.2	7.8	15.5	23.3	25.9
120°	15.5	12.9	7.8	7.8	5.2	5.2	5.2	7.8	15.5	25.9	25.9
122.5°	15.5	12.9	7.8	7.8	5.2	5.2	5.2	7.8	15.5	25.9	25.9
125°	12.9	12.9	7.8	7.8	5.2	5.2	5.2	7.8	15.5	25.9	25.9
127.5°	12.9	10.3	7.8	5.2	5.2	5.2	5.2	7.8	15.5	23.3	25.9
130°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	7.8	15.5	23.3	23.3
132.5°	10.3	10.3	7.8	5.2	5.2	5.2	5.2	7.8	12.9	20.7	20.7
135°	7.8	7.8	5.2	5.2	5.2	5.2	5.2	7.8	10.3	15.5	15.5
137.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	10.3	10.3
140°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	7.8	7.8	7.8
142.5°	5.2	5.2	5.2	5.2	5.2	2.6	5.2	5.2	7.8	7.8	7.8
145°	5.2	5.2	5.2	5.2	2.6	2.6	5.2	5.2	7.8	7.8	5.2
147.5°	5.2	5.2	5.2	5.2	2.6	2.6	2.6	5.2	7.8	7.8	5.2
150°	5.2	5.2	5.2	2.6	2.6	2.6	2.6	5.2	7.8	7.8	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)