

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: P179368

Luminaire Tested: **UTLD-E03-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P179368  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P34327)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: UTLD-E03-LED-E-U-T3-HSS-8030  
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 W/ HOUSE SIDE SHIELD  
Light Source: (63) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3610.3 lumens  
Efficiency: N/A  
Efficacy: 48.0 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 0.5' x L: 1' x H: 0.1')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G1

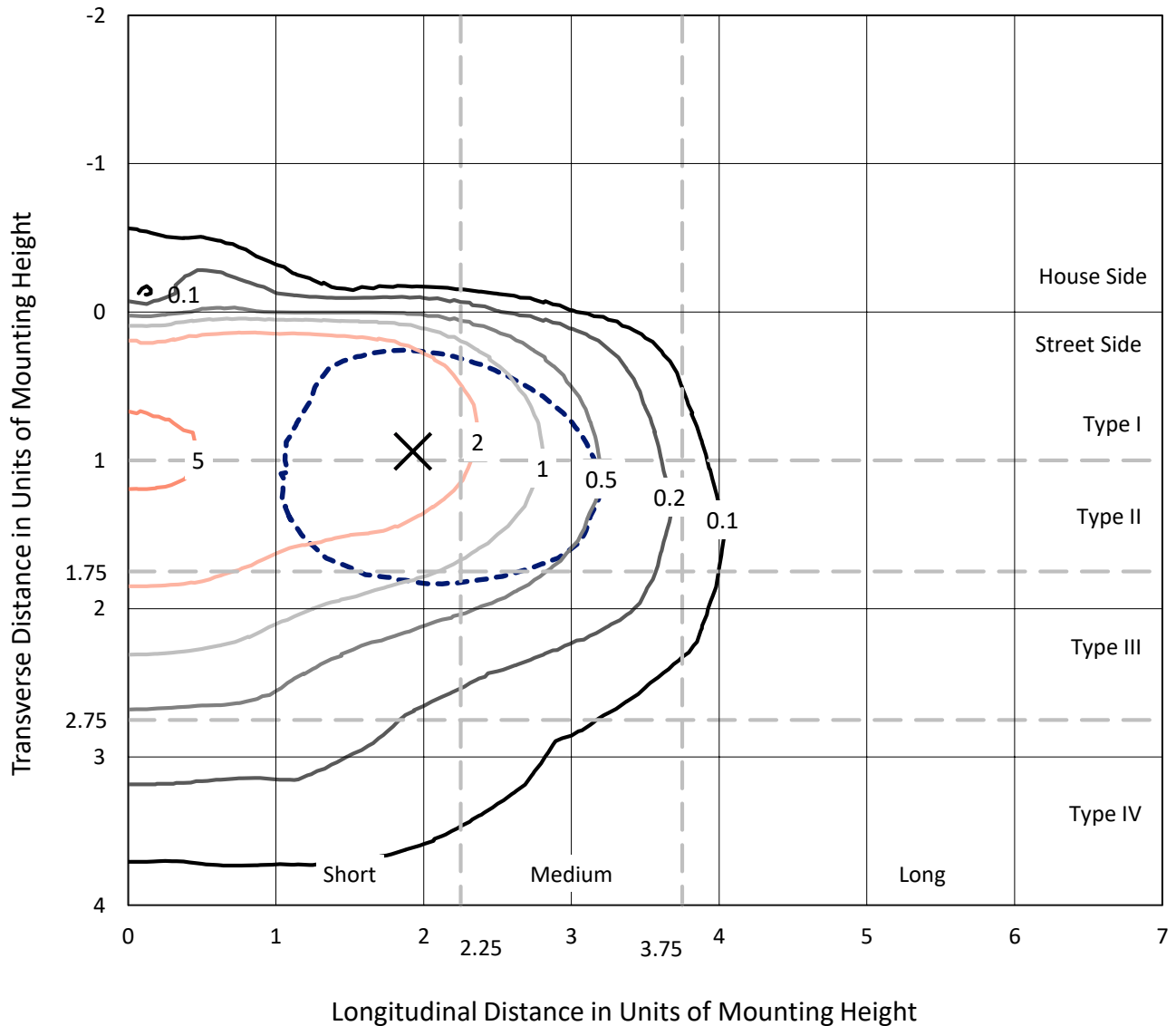
Input Watts (W): 75.2  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

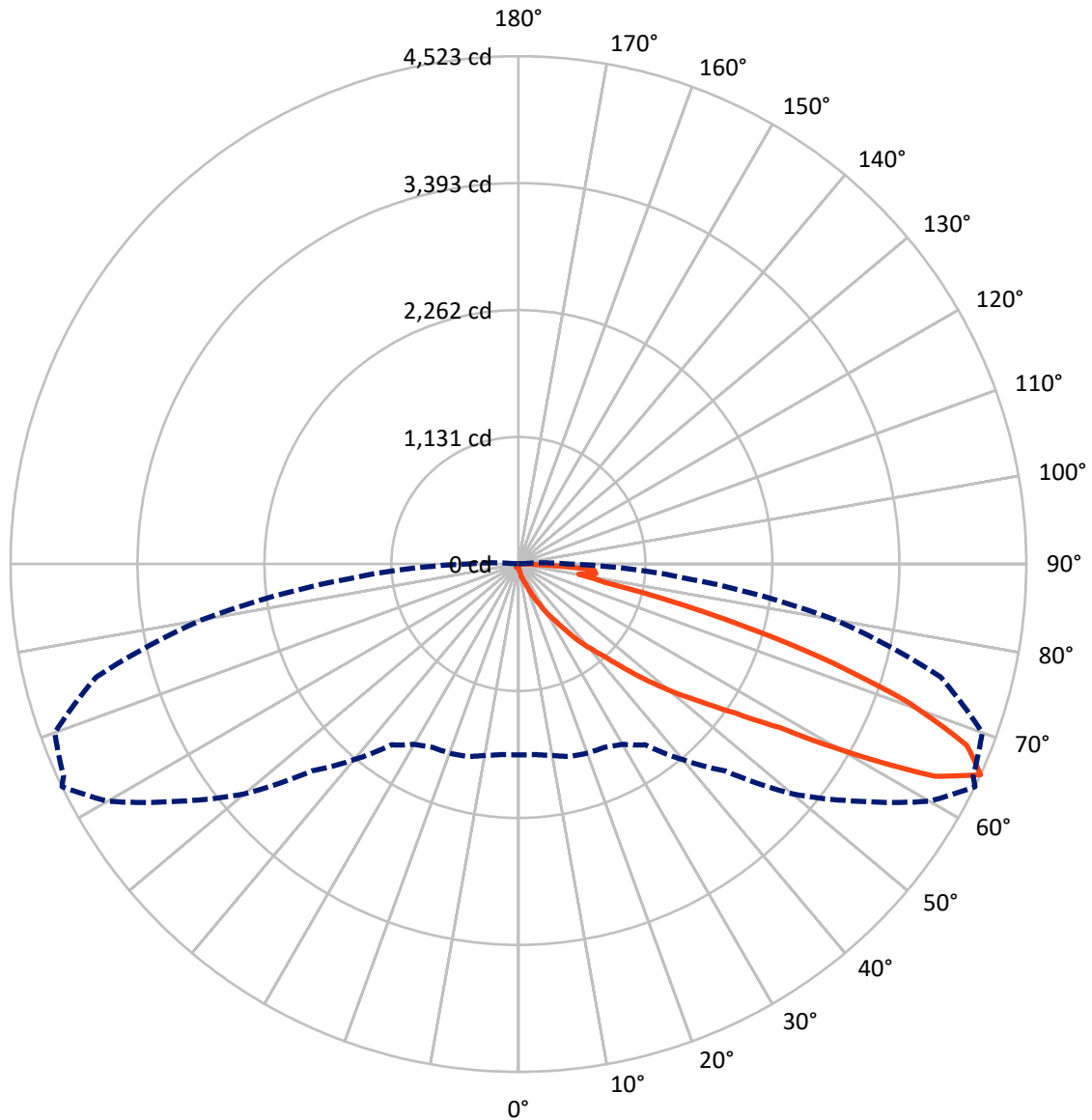
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Short - Non-Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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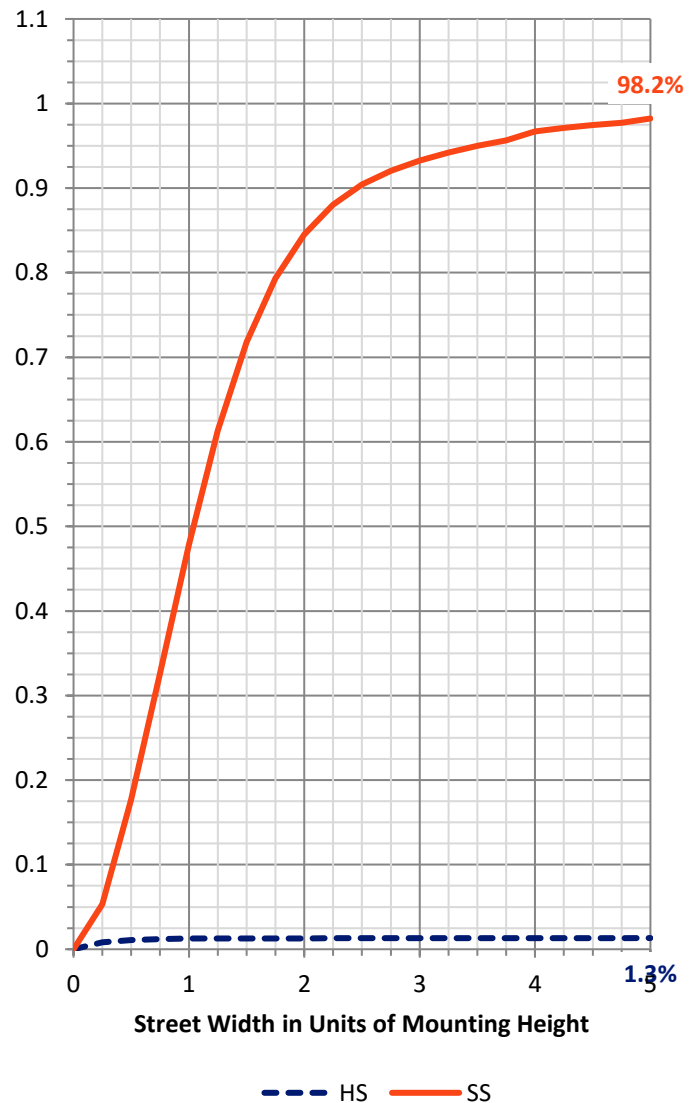
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	49.2	0.0	49.2
	% Fixture	1.4	0.0	1.4
<b>Street Side</b>	Lumens	3561.1	0.0	3561.1
	% Fixture	98.6	0.0	98.6
<b>Total</b>	Lumens	3610.3	0.0	3610.3
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	4.7	0.1
10°-20°	31.2	0.9
20°-30°	97.9	2.7
30°-40°	237.6	6.6
40°-50°	503.8	14.0
50°-60°	907.2	25.1
60°-70°	1214.7	33.6
70°-80°	525.1	14.5
80°-90°	88.1	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3610.3	100.0
0°-180°	3610.3	100.0



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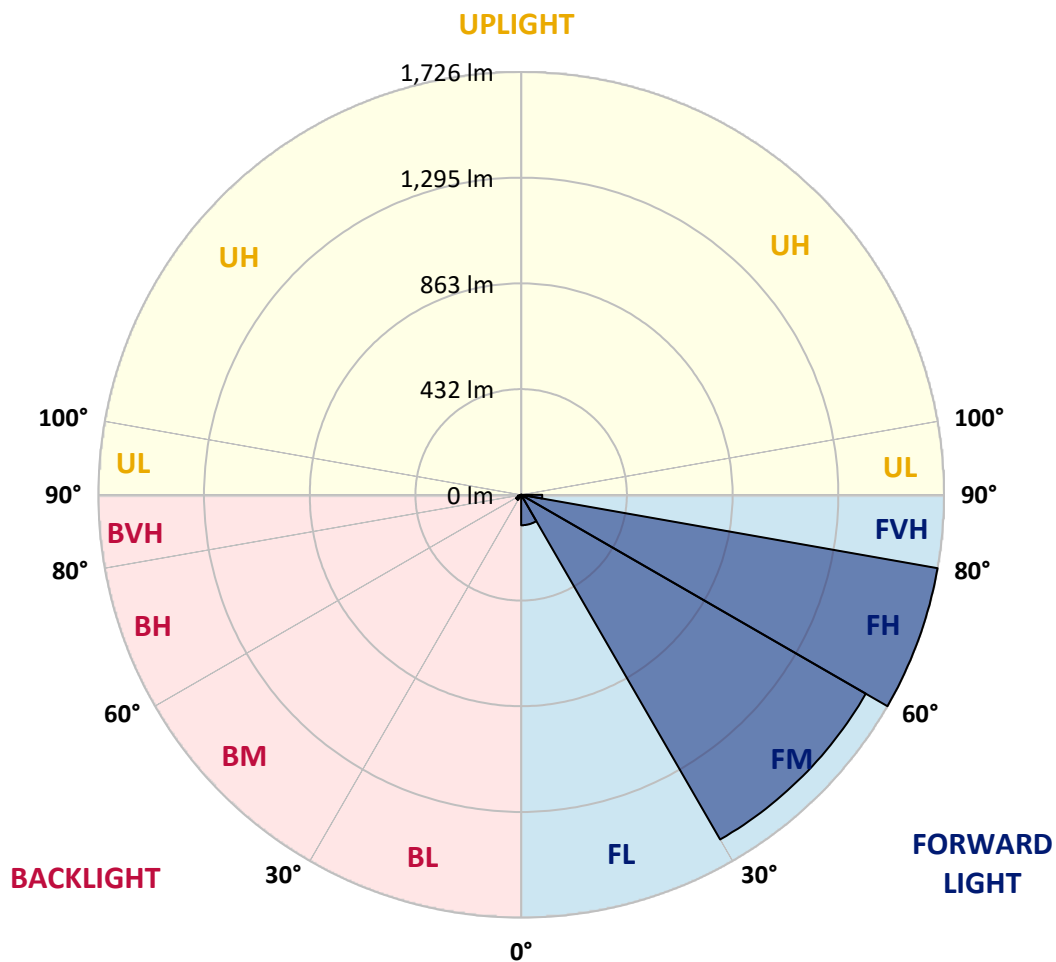
CATALOG NUMBER: UTLD-E03-LED-E-U-T3-HSS-8030

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	124.2	3.4			
FM (30°-60°)	1624.6	45.0			
FH (60°-80°)	1726.2	47.8			G1/1800
FVH (80°-90°)	86.0	2.4			G1/100
BL (0°-30°)	9.5	0.3	B0/110		
BM (30°-60°)	24.0	0.7	B0/220		
BH (60°-80°)	13.6	0.4	B0/110		G0/110
BVH (80°-90°)	2.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	51.9	51.9	50.6	51.9	50.6	49.4	49.4	48.1	48.1	46.8	46.8
5°	76.0	76.0	74.7	72.2	69.6	68.4	67.1	63.3	62.0	60.8	58.2
7.5°	135.5	135.5	132.9	130.4	129.1	126.6	124.1	119.0	113.9	84.8	73.4
10°	173.4	170.9	168.4	163.3	162.0	155.7	149.4	145.6	140.5	127.9	119.0
12.5°	243.1	241.8	239.3	240.5	232.9	227.9	217.7	208.9	167.1	157.0	153.2
15°	320.3	300.0	281.0	263.3	258.3	253.2	238.0	239.3	249.4	227.9	178.5
17.5°	327.9	329.2	326.6	326.6	319.0	315.2	324.1	281.0	273.5	254.5	240.5
20°	412.7	414.0	411.4	384.9	348.1	335.5	354.5	341.8	341.8	311.4	292.4
22.5°	431.7	435.5	431.7	430.4	421.6	443.1	429.2	370.9	392.5	365.9	351.9
25°	524.1	526.7	525.4	514.0	530.4	465.9	455.8	483.6	457.0	425.4	439.3
27.5°	622.9	620.3	563.4	544.4	552.0	544.4	573.5	526.7	550.7	520.3	498.8
30°	669.7	673.5	668.4	646.9	646.9	667.2	615.3	634.3	616.5	571.0	646.9
32.5°	805.2	810.2	795.0	791.2	733.0	712.8	695.0	714.0	669.7	702.6	721.6
35°	964.7	967.2	944.4	846.9	845.7	821.6	817.8	773.5	796.3	771.0	841.9
37.5°	1097.6	1091.3	1054.6	1007.7	1010.3	960.9	909.0	912.8	876.1	878.6	945.7
40°	1273.6	1271.1	1244.5	1206.5	1150.8	1088.7	1057.1	1041.9	1012.8	992.5	1055.8
42.5°	1436.9	1453.4	1442.0	1392.6	1310.3	1282.4	1206.5	1176.1	1167.2	1134.3	1186.2
45°	1639.5	1638.2	1636.9	1587.5	1534.4	1476.1	1363.5	1347.0	1331.8	1328.0	1385.0
47.5°	1791.4	1792.6	1797.7	1764.8	1728.1	1645.8	1534.4	1530.6	1539.4	1530.6	1602.7
50°	1893.9	1905.3	1924.3	1916.7	1867.3	1811.6	1742.0	1729.3	1740.7	1735.7	1850.9
52.5°	1962.3	1976.2	1999.0	2012.9	1959.7	1935.7	1906.6	1890.1	1944.6	1945.8	2077.5
55°	1988.9	2004.1	2026.8	2054.7	2014.2	2019.2	2007.9	2005.3	2092.7	2112.9	2286.4
57.5°	1967.3	1981.3	2006.6	2040.8	2029.4	2071.2	2047.1	2058.5	2194.0	2247.1	2471.2
60°	1910.4	1923.0	1950.9	2007.9	1992.7	2042.0	2030.6	2085.1	2261.1	2378.8	2685.2
62.5°	1815.4	1830.6	1861.0	1915.4	1923.0	1966.1	1977.5	2069.9	2306.6	2511.7	2971.3
65°	1699.0	1702.8	1730.6	1774.9	1792.6	1801.5	1853.4	1966.1	2272.4	2605.4	3185.2
67.5°	1523.0	1531.8	1549.6	1576.2	1590.1	1543.2	1586.3	1702.8	2010.4	2409.2	3027.0
70°	1079.9	1078.6	1117.9	1231.8	1266.0	1160.9	1158.4	1230.5	1482.5	1863.5	2421.8
72.5°	736.8	745.7	763.4	798.8	907.7	874.8	863.4	825.4	924.2	1135.6	1600.2
75°	560.8	564.6	638.1	697.6	771.0	805.2	826.7	781.1	744.4	711.5	916.6
77.5°	191.2	207.6	243.1	333.0	520.3	634.3	705.2	771.0	815.3	781.1	757.1
80°	41.8	43.0	48.1	64.6	182.3	327.9	411.4	525.4	654.5	727.9	791.2
82.5°	17.7	19.0	22.8	27.9	43.0	121.5	170.9	197.5	267.1	353.2	576.0
85°	6.3	6.3	7.6	10.1	16.5	30.4	45.6	49.4	76.0	111.4	188.6
87.5°	2.5	2.5	2.5	3.8	5.1	7.6	8.9	10.1	12.7	26.6	63.3
90°	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):**

	55°	60°	64°	65°	70°	75°	80°	85°	90°	95°	100°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	46.8	45.6	45.6	45.6	44.3	40.5	38.0	32.9	30.4	27.9	26.6
5°	55.7	51.9	49.4	49.4	45.6	44.3	43.0	36.7	29.1	25.3	22.8
7.5°	67.1	62.0	58.2	57.0	51.9	45.6	43.0	39.2	29.1	24.1	21.5
10°	112.7	79.8	73.4	70.9	63.3	55.7	50.6	48.1	35.4	27.9	25.3
12.5°	143.1	126.6	113.9	100.0	74.7	67.1	57.0	48.1	36.7	27.9	22.8
15°	165.8	148.1	130.4	129.1	106.3	86.1	69.6	60.8	43.0	35.4	29.1
17.5°	239.3	184.8	160.8	159.5	135.5	94.9	79.8	59.5	46.8	34.2	27.9
20°	272.2	231.7	193.7	200.0	176.0	139.3	101.3	77.2	55.7	45.6	36.7
22.5°	349.4	314.0	270.9	243.1	203.8	164.6	111.4	86.1	63.3	46.8	38.0
25°	405.1	359.5	343.1	339.3	281.0	221.5	148.1	101.3	70.9	51.9	45.6
27.5°	501.3	467.1	411.4	405.1	320.3	243.1	186.1	120.3	78.5	57.0	48.1
30°	564.6	539.3	520.3	506.4	401.3	292.4	211.4	136.7	84.8	59.5	49.4
32.5°	688.7	640.6	598.8	577.3	508.9	369.7	255.7	157.0	92.4	63.3	54.4
35°	790.0	784.9	724.1	719.1	620.3	472.2	311.4	183.6	96.2	64.6	53.2
37.5°	922.9	893.8	864.7	849.5	757.1	579.8	381.1	225.3	112.7	67.1	53.2
40°	1029.2	1000.1	988.7	974.8	853.3	684.9	470.9	245.6	115.2	68.4	51.9
42.5°	1164.7	1119.1	1129.3	1114.1	984.9	825.4	560.8	293.7	124.1	68.4	49.4
45°	1336.9	1312.8	1324.2	1298.9	1171.0	1005.2	654.5	341.8	136.7	67.1	45.6
47.5°	1557.2	1543.2	1555.9	1511.6	1414.1	1241.9	850.7	429.2	153.2	65.8	43.0
50°	1791.4	1811.6	1793.9	1752.1	1710.3	1495.1	1079.9	536.8	177.2	63.3	40.5
52.5°	2066.1	2068.6	2037.0	2035.7	2037.0	1825.6	1319.2	665.9	207.6	60.8	38.0
55°	2326.9	2358.5	2342.1	2361.1	2390.2	2244.6	1612.9	814.0	249.4	57.0	35.4
57.5°	2594.0	2706.7	2752.3	2811.8	2867.5	2787.7	2009.1	1029.2	300.0	53.2	32.9
60°	2939.6	3246.0	3441.0	3513.1	3560.0	3396.6	2523.1	1304.0	373.5	49.4	29.1
62.5°	3386.5	3876.5	4163.8	4247.4	4184.1	3842.3	2821.9	1509.1	433.0	46.8	25.3
65°	3681.5	4224.6	4523.4	4470.2	4395.5	3892.9	2863.7	1528.0	445.6	41.8	22.8
67.5°	3506.8	4008.1	4306.9	4227.1	4172.7	3639.7	2567.4	1407.8	415.2	35.4	20.3
70°	2905.4	3413.1	3675.2	3609.3	3648.6	3089.0	2100.3	1192.6	368.4	30.4	17.7
72.5°	2087.6	2486.4	2754.8	2714.3	2819.4	2220.5	1547.0	938.1	306.4	25.3	15.2
75°	1274.8	1640.7	1705.3	1643.3	1568.6	1133.1	746.9	510.2	197.5	19.0	11.4
77.5°	779.8	895.1	790.0	800.1	630.5	283.6	140.5	105.1	55.7	15.2	7.6
80°	743.1	672.2	543.1	527.9	363.3	110.1	62.0	46.8	24.1	11.4	6.3
82.5°	776.0	814.0	695.0	643.1	384.9	97.5	50.6	38.0	19.0	8.9	5.1
85°	321.6	725.4	673.5	614.0	355.7	76.0	40.5	27.9	12.7	6.3	5.1
87.5°	125.3	207.6	191.2	170.9	112.7	38.0	31.6	22.8	8.9	5.1	5.1
90°	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):**

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6	31.6
2.5°	25.3	24.1	22.8	22.8	21.5	21.5	20.3	20.3	20.3	20.3	20.3
5°	21.5	20.3	19.0	17.7	16.5	16.5	17.7	19.0	19.0	20.3	19.0
7.5°	19.0	17.7	15.2	16.5	16.5	13.9	10.1	8.9	8.9	10.1	10.1
10°	20.3	17.7	19.0	11.4	8.9	7.6	8.9	8.9	8.9	11.4	13.9
12.5°	20.3	21.5	15.2	13.9	12.7	11.4	13.9	12.7	11.4	12.7	12.7
15°	26.6	19.0	16.5	13.9	15.2	16.5	15.2	13.9	12.7	12.7	13.9
17.5°	22.8	20.3	19.0	21.5	20.3	16.5	15.2	16.5	16.5	15.2	13.9
20°	30.4	26.6	25.3	21.5	19.0	19.0	19.0	16.5	15.2	15.2	16.5
22.5°	34.2	29.1	29.1	26.6	24.1	19.0	19.0	17.7	17.7	16.5	15.2
25°	40.5	38.0	32.9	26.6	25.3	22.8	21.5	17.7	17.7	16.5	16.5
27.5°	43.0	38.0	32.9	30.4	26.6	21.5	21.5	17.7	16.5	16.5	15.2
30°	45.6	39.2	34.2	30.4	26.6	22.8	21.5	17.7	16.5	15.2	15.2
32.5°	48.1	40.5	32.9	29.1	25.3	21.5	20.3	17.7	15.2	13.9	13.9
35°	45.6	38.0	32.9	29.1	24.1	20.3	19.0	16.5	13.9	13.9	12.7
37.5°	43.0	35.4	30.4	26.6	22.8	19.0	16.5	13.9	12.7	11.4	11.4
40°	40.5	32.9	27.9	24.1	20.3	17.7	15.2	11.4	10.1	8.9	8.9
42.5°	36.7	30.4	25.3	21.5	17.7	13.9	12.7	10.1	7.6	6.3	6.3
45°	35.4	27.9	22.8	19.0	15.2	12.7	10.1	7.6	5.1	3.8	3.8
47.5°	32.9	25.3	20.3	16.5	12.7	10.1	7.6	5.1	3.8	2.5	2.5
50°	30.4	24.1	17.7	13.9	10.1	7.6	5.1	3.8	2.5	1.3	1.3
52.5°	27.9	21.5	15.2	11.4	8.9	6.3	3.8	2.5	1.3	1.3	0.0
55°	25.3	17.7	13.9	10.1	6.3	3.8	2.5	1.3	1.3	0.0	0.0
57.5°	21.5	15.2	11.4	7.6	5.1	2.5	1.3	1.3	1.3	0.0	0.0
60°	19.0	12.7	8.9	6.3	3.8	2.5	1.3	1.3	0.0	0.0	0.0
62.5°	16.5	11.4	7.6	5.1	2.5	1.3	1.3	1.3	0.0	0.0	0.0
65°	13.9	8.9	6.3	3.8	2.5	1.3	1.3	1.3	1.3	0.0	0.0
67.5°	12.7	7.6	5.1	3.8	2.5	1.3	1.3	1.3	1.3	1.3	0.0
70°	11.4	6.3	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	8.9	5.1	3.8	2.5	2.5	1.3	1.3	1.3	1.3	1.3	1.3
75°	6.3	3.8	2.5	2.5	2.5	2.5	1.3	1.3	1.3	1.3	1.3
77.5°	5.1	3.8	2.5	2.5	2.5	2.5	1.3	2.5	2.5	2.5	2.5
80°	3.8	2.5	2.5	3.8	3.8	3.8	1.3	2.5	2.5	2.5	2.5
82.5°	3.8	3.8	3.8	3.8	3.8	3.8	1.3	3.8	3.8	3.8	2.5
85°	3.8	3.8	3.8	3.8	5.1	5.1	1.3	5.1	5.1	3.8	3.8
87.5°	5.1	3.8	5.1	5.1	5.1	6.3	1.3	5.1	5.1	5.1	5.1
90°	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):**

	160°	165°	170°	175°	180°
0°	31.6	31.6	31.6	31.6	31.6
2.5°	20.3	21.5	21.5	21.5	21.5
5°	17.7	16.5	16.5	16.5	16.5
7.5°	10.1	10.1	11.4	11.4	11.4
10°	15.2	15.2	15.2	15.2	15.2
12.5°	12.7	13.9	13.9	13.9	13.9
15°	15.2	15.2	16.5	16.5	16.5
17.5°	13.9	13.9	15.2	15.2	15.2
20°	15.2	16.5	16.5	16.5	16.5
22.5°	13.9	13.9	16.5	16.5	17.7
25°	16.5	15.2	15.2	16.5	15.2
27.5°	15.2	15.2	16.5	16.5	16.5
30°	15.2	13.9	13.9	15.2	15.2
32.5°	13.9	13.9	13.9	13.9	13.9
35°	12.7	12.7	13.9	13.9	13.9
37.5°	11.4	10.1	11.4	11.4	11.4
40°	8.9	8.9	8.9	10.1	10.1
42.5°	6.3	6.3	6.3	6.3	6.3
45°	3.8	3.8	3.8	3.8	3.8
47.5°	2.5	1.3	2.5	2.5	2.5
50°	1.3	1.3	1.3	1.3	1.3
52.5°	0.0	1.3	1.3	1.3	1.3
55°	0.0	1.3	1.3	1.3	1.3
57.5°	0.0	0.0	1.3	1.3	1.3
60°	0.0	0.0	1.3	1.3	1.3
62.5°	0.0	0.0	1.3	1.3	1.3
65°	0.0	1.3	1.3	1.3	1.3
67.5°	0.0	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3	1.3
72.5°	1.3	1.3	1.3	1.3	1.3
75°	1.3	1.3	2.5	1.3	1.3
77.5°	2.5	2.5	2.5	2.5	1.3
80°	2.5	2.5	2.5	2.5	1.3
82.5°	2.5	2.5	3.8	2.5	1.3
85°	3.8	3.8	3.8	3.8	1.3
87.5°	3.8	3.8	5.1	5.1	1.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)